INSTITUTIONAL ACCREDITATION SELF-STUDY REPORT (2013 - 17)

SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
Nagarbhavi, Bengaluru – 560 010

BY

SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)
R.V.S. Nagar, Tirupati Road, CHITTOOR – 517 127, A.P
May 2017

PREFACE

Sri Venkateswara College of Engineering & Technology (Autonomous) (SVCET), Chittoor, is a NBA and NAAC Accredited Institution, Established in the year 1998 and Recognized by AICTE, New Delhi. It is also recognized by the UGC under Section 2(f) and 12(b). The institute has been Granted Autonomy by UGC from the Academic Year 2011-2012. The Institution offers Eight (8) UG and Eleven (11) PG Programmes in Engineering and Technology, apart from MBA and MCA. The Chairman of the college **Dr. Ravuri Venkateswamy** is a multi-faceted personality with many unique distinctions to his name. He relentlessly works towards setting new standards in quality education. He has set up Sri Venkateswara College of Engineering & Technology (Autonomous), backed by a team of top-notch professionals. An abode of education, it boasts of in-tune with the times facilities and is always geared to make the students future-ready. The Vice-Chairman of the college **Sri R.V.Srinivas, B.Tech, MBA (UK)** is playing a proactive role in the management of the college to touch greater heights in all areas of education.

Our college has received the NAAC accreditation on 16-09-2011 with B-grade (2.78) valid for a period of 5 years. The college was again accredited with B-Grade (2.80) on 1st May 2015. The visit of NAAC peer team to our college has given lot of inputs to improve further to achieve excellence in the quality of engineering education. Based on the inputs from NAAC, our college faculty, management and supporting staff as a team strived to their level best to improve the academic standards. In the year 2012 our college implemented the autonomous system with lot of changes in the curriculum to make the students industry ready. As the college status has improved a lot in these 4 years period in the fields of research, Infrastructure, Placements etc. The college has decided to apply for reassessment of NAAC for further improving the grade. It is a pleasure for all the faculty members and Non Teaching staff to involve in improving the quality of learning process and in the process bringout a comprehensive STUDY REPORT. I thank the Management, HODs, Deans, Senior Professors, Faculty members and Computer operators who are involved directly (or) indirectly in preparing NAAC report. We are eagerly waiting for the NAAC reassessment.

Principal
SVCET (Autonomous)
Tirupati Road, Chittoor – 517 127, A.P.

NAAC SSR Report 2013-17

VOLUME-II
ANNEXURE-I (INSTITUTIONAL CERTIFICATES)
1. Approval of the courses by AICTE
2. Approval of the courses by affiliating University
3. Certificate of NBA Accreditation
4. UGC recognitions under section 2F and 12(B) Of UGC Act
5. College with Potential for Excellence
6. Provisional certificate of Accreditation
7.Autonomous
ANNEXURE-II (NAAC PEER TEAM REPORTS)
1. Peer Team Report of 1st cycle SVCET and quality Profile certificate June 2011
2. Peer Team Report of reassessment on SVCET and quality Profile certificate May 2015
ANNEXURE – III
List of Seminars / Orientation Programmes/ Conferences attended by the Faculty
ANNEXURE – IV
List of Seminars / Orientation Programmes / Conferences organized bythe Institution
ANNEXURE –V
List of Papers Published by the Faculty
ANNEXURE –VI
Pool of Electives
ANNEXURE –VII
Faculty Incentive Policy

SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
R.V.S. NAGAR, CHITTOOR- 517127

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self-Study Report (SSR) is 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.

PRINCIPAL
S.V. College of Engineering &
Technology, CHITTOOR. (A.P.)

Signature of the Head of the institution with seal:

Date: 05-05-2017

Place: Chittoor

CERTIFICATE OF COMPLIANCE

This is to certify that **SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)** fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

PRINCIPAL
S.V. College of Engineering &
Technology, CHITTOOR. (A.P.)

Principal/Head of the Institution
(Name and Signature with Office seal)

Date: 05-05-2017

Place: Chittoor

EXECUTIVE SUMMARY

Sri Venkateswara College of Engineering and Technology (SVCET) was established in the year 1998 by the dedicated and service minded Philanthropist **Dr.Ravuri Venkataswamy** with the prime objective of imparting Technical Education to the Students of the backward and drought prone region of Chittoor District, Andhra Pradesh. The Vice Chairman **Mr. R.V.Srinivas**, like his illustrious father, is an able administrator and an eminent educationist. Being young and dynamic in his outlook, his personal care and human touch provides the effective leadership. Under his exemplary guidance SVCET is making rapid strides of progress and growing from strength to strength.

The Institution is located on the National Highway NH-18 in an area of 41.05acres of scenic beauty at R.V.S. Nagar, Chittoor, Andhra Pradesh. The district head quarters Chittoor is at 7 km and Tirupati, the famous hill shrine of LORD SRI VENKATESWARA, is about 60 km from the Institution. It is well connected by road and rail to various places of country.

The Institution has spacious well-designed, adequately furnished and ventilated classrooms. All the laboratories of Engineering and Science are equipped with latest facilities. Computer labs, CAD/CAM Centre, Internet and Language labs are value added assets to the Institution. A 250 KVA capacity generator ensures uninterrupted power supply for effective conduct of academic activities.

The Institution library houses total book volumes of 57,600 and 8,743 titles, and 235 e-journals and International journals. Students are encouraged to make full use of the library and other facilities. The Internet centre, inaugurated during the year 2005-06, acts as the reservoir of knowledge for students and staff seeking information in the present technological world. Internet facility is open for students and staff from 8.00 A.M. to 7.00 P.M. daily and the connectivity speed is 70 Mbps, which is a boon to students and staff.

The Institution has a fleet of buses to transport the students and the staff from various parts of the towns; Chittoor, Tirupati, Piler etc. The canteen in the campus provides hygienic refreshments to staff and students. The boys and girls hostels are located at a distance of 0.5 Km from the Institution. The Institution attracts foreign nationals to encourage international brotherhood and foster scientific development.

The Institution has achieved Autonomous status and is implementing credit system. It is affiliated to JNTUA, Ananthapuramu. It has expert administrative support, committed teachers and researchers. With Ten departments, SVCET offers Eight Engineering Undergraduate programmes, and Thirteen Post Graduate programmes. Students enjoy the variety of sports facilities to keep them fit.

The Institution had remarkable growth during the past six years. The student intake has been growing steadily year after year. In the first academic year, i.e. 1998 the sanctioned intake was 180. The intake for the academic year 2016-17 has been 1140. Along with the intake the infrastructure of the Institution kept pace to cater to the needs of students as well as trends in science and technology.

Based on the findings and recommendations of NAAC Peer Team in 2015, the Institution has taken up the following remedial measures

Action taken report on recommendation for quality enhancement of the Institution

- Choice based credit system is introduced for four year B.Tech programme in which inter departmental and department specific electives and MOOC courses are offered.
- Financial assistance and cash awards are provided to the faculty.
- Curriculum is revised / redesigned based on the feedback from the stakeholders, including students, employees, alumni, parents, employers etc.,
- All classrooms are equipped with ICT facilities.
- Financial assistance and encouragement is provided to the faculty in the form of travel grant to attend conferences, workshops, seminars etc.,
- Various committees such as discipline, anti-ragging, NSS, NCC, alumni, Sports, hostel, canteen, hospitality, grievance, cultural festival and so on, have faculty as well as students as members.
- Department of Physical Education and students' clubs provides opportunities to excel inherent talents of students.
- Concessional transport to faculty and free transport to the deans/director (senior faculty) are provided.
- NSS activities are carried out to fulfill social responsibility.

SWOC ANALYSIS

STRENGTHS

- Well Qualified, Experienced and Committed faculty.
- Infrastructure and Teaching Learning resources are quite adequate.
- The labs are fully equipped with state of art technology to meet PG and UG students' requirements.
- The library is fully automated with RFID technology.
- Sufficient grants from UGC, AICTE and DST for Research and Development activities.
- Sufficient computing facility is available to meet all the administration requirements of the college.

WEAKNESSES

- Majority of the students are from the rural background and have lack of good communication skills in English.
- Migration of employees due to increased number of Engineering Colleges in the region.
- Lack of sufficient placements due to low communication skills of students from rural area.

OPPORTUNITIES
- Inter-disciplinary research centre can be established with funds received from UGC, AICTE and other agencies in the college to use the potency of senior professors.
- Value added courses can be introduced to improve the employability to students.
- Faculty and student exchange programmes can be implemented by having MOUs with leading universities and research organisations.
- Industrial consultancy services can be taken up by all the departments' senior professors.

CHALLENGES

- Institution is to be improved to become the best technical institution in the state.
- Institution is to be ready to compete with the branches established by renowned foreign universities in the near future.
- Employability enhancement and entrepreunuership development opportunities to all the students of Institution.
- Motivating the faculty and students to involve in research and consultancy to various Government and private agencies.

Progression of the Institution

S.No	Description of Item	2013-14	2014-15	2015-16	2016-17
1	Institutional Status	Autonomous			
2	No. of Programmes	19	20	20	21
3	No. of B. Tech Courses	06	07	07	08
4	No. of M. Tech/MBA/MCA Courses	13	13	13	13
5	Total Teaching staff	374	442	430	463
6	No. of Professors	30	29	30	39
7	No. of Associate Professors	92	50	49	50
8	No. of Assistant Professors	252	363	351	374
9	No. of Research Projects sanctioned	19	05	07	13
10	Total Research grants amount sanctioned (in Lakhs)	162.09	166.56	176.54	299.71
11	No. of MODROBS Received	05	09	09	03
12	No. of International Journal Publications	58	69	74	98
13	No. of National Journal Publications	41	49	52	65
14	No. of Workshops / seminars / conferences organized	03	06	09	13
15	No. of Workshops / Seminars / Conferences attended by faculty	281	360	405	464
16	No. of B. Tech students intake	840	1020	1020	1140
17	No. of M. Tech students intake	198	246	246	246
18	No. of M.C.A students intake	180	180	180	120
19	No. of M.B.A students intake	180	300	300	300
20	No. of students placed	157	325	138	395
21	Library books volumes	34273	40842	45229	57600
22	No. of titles	6424	7178	7831	8743
23	Journals subscribed	127	178	182	669
24	Built up area (Sq. m)	35,395	40195	42296	45554.43
25	No. of E Class rooms	0	02	02	05
26	LCD Projectors	10	30	40	135
27	Interactive white Board	0	01	01	01
28	Hostel Facility for students	350	647	1300	1439

S.No	Description of Item	2013-14	2014-15	2015-16	2016-17
29	No. of computers present in the college	968	1170	1450	1558
30	Internet facility	8 Mbps	50 Mbps	70Mbps	70Mbps
31	New Labs established	-	04	04	03
32	Transport facilities	04	16	20	22
33	Curriculum modification (No.)	01	02	02	02
34	Additional space for Ist B.Tech classes	-	4000 Sq.m	4000 Sq.m	4000 Sq.m
35	Separate Library Building	-	Under Construction	Under Construction	Under Construction
36	Separate Computer centre Building	-	Under Construction	Under Construction	Under Construction

PART – A   PROFILE OF THE INSTITUTION (SVCET)

1. Name and Address of the College:

Sri Venkateswara College of Engineering and Technology (Autonomous)
R.V.S Nagar, Chittoor, Andhra Pradesh, India

Pin: 517 127

Website : www.svcetedu.org

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. P. Bhaskar		7729999200		principal@svcetedu.org
Vice Principal	Dr. E. Lokanadha Reddy	08572 - 245044	7729999155	08572 - 245211	svcet_78exambranch@yahoo.com
Steering Committee Co-ordinator	Dr. T.V.S. Raghavendra		9490337387		tvsrvd@gmail.com

3. Status of the Institution:
   Affiliated College   ✓
   Constituent College
   Any other (specify)

4. Type of Institution:
   a. By Gender
      i.   For Men
      ii.   For Women
      iii.   Co-Education   ✓

   b. By Shift
      i.   Regular   ✓

      ii.   Day   ✓
      iii.   Evening

5. Is it a recognized minority institution?

   YES
   NO   ✓
   If yes specify the minority status (Religious/linguistic/ any other) and provide documentary   evidence.

6. Sources of funding:

Government
Grant-in-Aid
Self Financing   ☑
Any Other

7. Details of Institution/Affiliating University/Recognitions

a. Year of establishment of the college:1998
b. University to which the college is affiliated /or which governs the college (If it is a Constituent college)

JNTUA, Ananthapuramu

c. Details of UGC recognition:
Under Section   Date, Month & Year (dd-mm-yyyy)
i. 2 (f)   23.07.2010
ii. 12 (B)   November 2010
(Certificates are given in ANNEXURE – I)

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

(Certifcicates are given in ANNEXURE – I)

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   ☐

☎ 011-23222595

UGC Website : www.ugc.ac.in

Dr. Manju Singh
Joint Secretary

No.F. 22-1/2011(AC)

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002

UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

ज्ञान-विज्ञान विमुक्तये

BY SPEED POST

- September, 2011

The Registrar,
Jawaharlal Nehru Technological University
Anantapur-515002
Andhra Pradesh

Sub:- Conferment of fresh autonomous status on Sri Venkateswara College of Engineering & Technology, R. V. S. Nagar, Tirupathi Road, Chittoor - 517127, Andhra Pradesh affiliated to Jawaharlal Nehru Technological University, Anantapur

Sir,

I am pleased to inform you that the Commission at its meeting held on 24th August, 2011 considered the report of Expert Committee constituted by the UGC which visited Sri Venkateswara College of Engineering & Technology, R. V. S. Nagar, Tirupathi Road, Chittoor - 517127, Andhra Pradesh affiliated to Jawaharlal Nehru Technological University, Anantapur

Based on the recommendations of the Expert Committee, the Commission has AGREED to confer autonomy to the college as per details given below:-

Sl. No.	Name of the College	Period of conferment of autonomous status from the academic years
1.	Sri Venkateswara College of Engineering & Technology, R. V. S. Nagar, Tirupathi Road, Chittoor - 517127, Andhra Pradesh	2011-2012 to 2016-2017

The Jawaharlal Nehru Technological University, Anantapur may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under the scheme will be released to the College as per its eligibility, according to the norms as laid down in the XIth Plan Guidelines by the Joint Secretary & Incharge, UGC, South Eastern Regional Office, PB No. 152, APSFC Building, 5th Floor, 5-9-194, Chirag Ali Lane, Hyderabad-500001.

Yours faithfully,

(Manju Singh)

Contd..

: 2 :

Copy to:-

1. The Secretary, Govt. of Andhra Pradesh, Department of Higher Education Secretariat, Hyderabad(A.P)

2. The Dean, Jawaharlal Nehru Technological University, Anantapur-515002, A.P.

3. The Joint Secretary & Incharge, UGC, South Eastern Regional Office, PB No. 152, APSFC Building, 5th Floor, 5-9-194, Chirag Ali Lane, Hyderabad-500001.

4. The Principal, Sri Venkateswara College of Engineering & Technology, R. V. S. Nagar, Tirupathi Road, Chittoor - 517127, Andhra Pradesh

5. The Under Secretary, BSR Section, UGC, New Delhi.

6. Meeting Cell.

7. Concerned file

8. Guard File.

(Manju Singh)

9. Is the college recognized

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

Yes [✓]   No [ ]

If yes, date of recognition: ……..27/05/2016…… (dd/mm/yyyy)

b. for its performance by any other Governmental agency?

Yes [✓]   No [ ]

If yes, Name of the agency: SIRO, DSIR
Date of recognition: 12/11/2014

TELEGRAM : SCINDRECH
दूरभाष/TEL : 26962819, 26567373
: 26565694, 26562133
: 26565687, 26562144
: 26562134, 26562122 (EPBAX)
फैक्स/FAX : 26960829, 26529745
Website : http://www.dsir.gov.in

सूचना
का अधिकार

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन
नया महरौली मार्ग, नई दिल्ली — 110 016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan
New Mehrauli Road, New Delhi - 110 016

F.No. 11/628/2014-TU-V

Date: 12 November, 2014

The President
Srinivasa Educational Academy
R.V.S. Nagar, Tirupati Road,
Chittoor - 517 127
Andhra Pradesh

Subject : Registration of Research Institution, other than a Hospital, for the purposes of availing Customs/Central Excise duty exemption in terms of Govt. Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 01.03.2007 and Central Excise Duty Exemption in terms of Govt. Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 01.03.2007

CERTIFICATE OF REGISTRATION

This is to certify that to **Srinivasa Educational Academy, Chittoor, Andhra Pradesh** is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 1st March, 2007 and Central Excise duty exemption in terms of Government Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 1st March, 2007 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.

This Registration is valid upto **31.03.2017.**

Please acknowledge the receipt.

Yours faithfully,
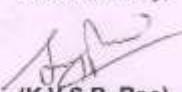
(K.V.S.P. Rao)
Scientist - 'G'

10. Location of the campus and area in m²:

Location *	Rural
Campus area	41.01 acres
Built up area	42,296 sq.m

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

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

- Auditorium/seminar complex with infrastructural facilities ✓

- Sports facilities ✓

- Playground ✓

- Gymnasium ✓

Hostel
❖ Boys' hostel
   i. Number of hostels   - 7
   ii. Number of inmates - 1001
   iii. Facilities (Three Menus, Latest Gymnasium, Air-Conditioning (optional))

❖ Girls' hostel
   i. Number of hostels   - 2
   ii. Number of inmates – 438
   iii. Facilities (Three Menus, Latest Gymnasium, Air-Conditioning (optional))

❖ Working women's hostel
   i. Number of inmates – 20
   ii. Facilities (Three Menus, Latest Gymnasium, Air-Conditioning (optional)

❖ Residential facilities for teaching and non-teaching staff – NO
(Give numbers available — cadre wise)
   ❖ Cafeteria —   YES
   ❖ Health centre – YES
      o First aid, Inpatient, Outpatient, Emergency care facility, Ambulance…….
      Qualified doctor   Full time ✓

      Qualified Nurse   Full time ✓
❖ Other facilities available
      o ATM
      o Stationary Shop & Photo Copying facility
      o Student Co-operative Stores
      o Transport facility
      o Biological waste disposal
      o Generator or other facility to regulate / manage electricity and voltage fluctuation.

- o Solid waste management facility
- o Waste water management

12. Details of programmes offered by the college (Give data for current Academic year 2016-17)

1. U.G. Programmes (8 Nos.)
   Duration   : 4 Years
   Medium of instruction : English
   Entry qualification   : Intermediate/Equivalent recognition

Programme	2013-14		2014-15		2015-16		2016-17	
	Sanctioned	Admitted	Sanctioned	Admitted	Sanctioned	Admitted	Sanctioned	Admitted
B.Tech. (CE)	120	117	180	179	180	171	180	77
B. Tech. (EEE)	120	98	120	80	120	85	120	27
B. Tech. (ME)	240	219	240	210	240	190	240	78
B. Tech. (ECE)	180	145	240	223	240	208	240	175
B. Tech. (CSE)	120	104	120	126	120	136	180	152
B. Tech. (IT)	60	0	60	16	60	36	60	19
B. Tech (AE)	-	-	60	0	60	07	60	05
B. Tech (ETE)	-	-	-	-	-	-	60	-

1. P.G. Programmes (13 Nos.)

   Duration   :
        M.Tech, MBA -   2Years
        MCA   -   3Years
   Medium of instruction : English
   Entry qualification   :
        M.Tech   -   B.Tech
        MCA   -   BCA/B.Sc/B.Com
        MBA   -   Any Degree

Programme	2013-14	2014-15	2015-16	2016-17

	Sanctioned	Admitted	Sanctioned	Admitted	Sanctioned	Admitted	Sanctioned	Admitted
M. Tech. (STRC)	18	12	18	15	18	14	18	13
M. Tech. (VLSI Design)	36	10	36	11	36	02	36	-
M. Tech- (Software Engineering)	18	02	18	0	18	03	18	-
M. Tech. (CAD/CAM)	18	10	18	03	18	01	18	03
M. Tech. (CS)	18	04	18	03	18	02	18	-
M. Tech. (CSE)	36	13	36	08	36	10	36	04
M. Tech. (PE & ED)	18	10	18	07	18	04	18	03
M. Tech. (DE & CS)	18	03	18	05	18	05	18	01
M. Tech. (Embedded Systems)	18	17	18	12	18	03	18	05
M. Tech. (Electrical Power Systems)	-	-	24	12	24	11	24	06
M. Tech. (Machine Design)	-	-	24	08	24	03	24	09
M.C.A.	180	96	180	51	180	63	60	41
M. C. A. (2nd year Direct)	-	-	60	-	60	08	60	16
M.B.A.	180	122	300	241	300	270	300	159

13. Does the college offer self-financed Programmes?

Yes ✓   No ☐

If yes, how many?   20 Programs

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

Programme	year
M.Tech Software Engineering	2011
M.Tech Structural Engineering	2012
M.Tech Computer Science	2012
M.Tech CSE	2012
M.Tech VLSI Design	2012
M.Tech Electrical Power System	2014
M.Tech Machine Design	2014
Automobile Engineering	2014
MCA 2nd Year Direct	2014
Electronics and Telecommunication Engineering	2016

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.)

Eight

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

Not Applicable

17. Number of Programmes with

a. Choice Based Credit System

| 21 |

b. Inter/Multidisciplinary Approach

| 21 |

c. Any other (specify and provide details)

| -- |

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

Not Applicable

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

Not Applicable

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

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the Management/ society or other authorized bodies *Recruited*	28	3	38	11	248	110	73	49	53	4
Total	**438**						**122**		**57**	

*M-Male   *F-Female

21. Qualifications of the Teaching Staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Ph.D.	21	2	8	1	8	4	44
M. Phil.	-	-	1	2	3	4	10
PG	7	1	27	5	182	82	304
UG	-	-	-	-	57	23	80

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

| 43 |

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

Categories	2015-16		2014-15		2013-14		2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	45	17	62	27	76	27	135	27
ST	10	2	5	0	3	-	13	02
OBC	308	89	211	83	252	115	330	107
General	421	147	616	227	242	162	282	153

(Others include physically challenging, NCC, Sports, Ex-serviceman quota, Non-locals, Foreigner students, NRI,……….)

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

Categories	2016-17	
	Male	Female
SC	53	08
ST	05	01
OBC	211	55
General	315	129

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

UG | **1.2 % --- 1.5%** PG | **0.2 % --- 1%**

26. Unit Cost of Education

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

(a) Including the salary component   Rs. 29,821

(b) Excluding the salary component   Rs. 6,635

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

Not Applicable

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

Name of the Department(s)	Teacher- student ratio
UG	
CE, EEE, ME, ECE, CSE , IT, AE, ETE	1:15
PG	
MBA, MCA	1:15
M.Tech (STRC, VLSI Design, Software Engineering, CAD/CAM, CS, CSE, PE & ED, DE & CS, Embedded Systems, EPS, Machine Design)	1:12

29. Is the college applying for

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

Re-Assessment: ☑

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

Cycle 1: …16-09-2011 …..... (dd/mm/yyyy) Accreditation outcome/results
Cycle 2: …01-05-2015…… (dd/mm/yyyy) Accreditation outcome/results

* Kindly enclose copy of accreditation certificate(s) and peer team report(s)
Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation
(Details are furnished in Annexure II)

31. Number of working days during the last academic year　　　280

32. Number of teaching days during the last academic year　　　180

33. Date of establishment of Internal Quality Assurance Cell (IQAC)
17.03.2011

34. Details of submission of Annual Quality Assurance Reports (AQARs) to NAAC.
AQAR (i)　06.06.2012　(2011-12)
AQAR (ii)　09.07.2013　(2012-13)
AQAR (iii) 02.07.2014　(2013-14)
AQAR (iv) 11.08.2016　(2014-15)
AQAR (v)　11.08.2016　(2015-16)

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

RECOGNITION BY NATIONAL MEDIA

Media	Recognition
CAREERS 360	AA Grade by Careers 360 May - 2012 June-2012
siliconIndia	6th Rank in SOUTH INDIA SILICON INDIA
competition success review	31st Top Engineering Colleges of Excellence by CSR July-2012 -June-2012
competition success review	6th Rank in Andhra Pradesh by CSR July - 2012
THE WEEK	103rd Rank in INDIA THE WEEK June-2012
SUNDAY INDIAN	15th in INDIA Top Non 90% Colleges SUNDAY INDIAN April-2012
Business Digest	3rd Rank in SOUTH INDIA BUSINESS DIGEST June-2011
BUSINESS BARONS	44th Rank in INDIA BUSINESS BARONS July-2011
BUSINESS & ECONOMY	43rd RANK in INDIA BUSINESS AND ECONOMY Nov-2011
DATAQUEST	76th RANK in INDIA DATAQUEST Nov-2011
competition success review	30th Top Engineering Colleges in India, CSR Sept-2009
OUTLOOK	4th Best Engineering College in AP OUTLOOK June-2010
OUTLOOK	46th Best Engineering College in India OUTLOOK June-2010

PART – B   CRITERIA – WISE ANALYTICAL REPORT
CRITERION - I
CURRICULAR ASPECTS

1.1 Curriculum Design & Development :

1.1.1. How are the institutional vision / mission reflected in the academic programmes of the College?

Vision:

Carving the youth as dynamic, competent, valued and knowledgeable professionals who shall lead the Nation to a better future**.**

Mission:
- ✓ Providing Quality Education, student-centered teaching-learning processes and state-of-art infrastructure for professional aspirants hailing from both rural and urban areas.
- ✓ Imparting technical education that encourages independent thinking, develops strong domain of knowledge, hones contemporary skills and positive attitudes towards holistic growth of young minds.
- ✓ Evolving the Institution into a Center of Academic and Research Excellence.

The vision and mission of the college is clearly reflected in the academica programmes offered by the college. All activies in the college are chanallezed to provide qualtiy education, better teaching & learning process, self employability skills, good citizen, good professional with social responsibility, strong domain knowledge and skills and many.

1.1.2. Describe the mechanism used in the design and development of the curriculum. Give details on the process. (Need Assessment, Feedback etc.,)

Our Institution had obtained autonomous status in September 2011 and implemented the same from the academic year 2012-2013. The Institution offers 8 UG, 13 PG (11 M.Tech, 1 MBA, 1 MCA). Keeping the Vision, Mission, Objectives of the Institution and Industrial needs, the curriculum is developed. While designing the curriculum, the premier institutes like IITs, NITs and Universities syllabi are referred by the departments. The percentage of Science and Humanities subjects, Engineering basics, Inter disciplinary subjects, Core subjects and Electives subjects in the curriculum are maintained as per the guidelines of AICTE and NBA. The eminent professors, Engineers from Industry, Alumini, were consulted while preparing the curriculum. The procedure of the Curriculum preparation is explained below:

Academic Council is constituted consisting of University nominees, Eminent Industrial persons, HODs, and Senior Professors.

Board of Studies (BOS) is constituted by every Department consisting of University nominees, Professors from IITs, NITs, Universities, Industry and Research Organizations along with Senior Faculty of the Department as members and HOD as chairman. They in turn prepare the curriculum.

Feed back from Alumni, Parents, and employers is collected and considered while preparing, and modify the syllabus to suit global Industrial needs.

In the Boards of Studies meetings the curriculum, and syllabi are discussed and modifications suggested by the members are implemented.

The recommendation of BOS is placed before Academic Council of the institution to scrutinize and approve the proposals.

Finally a comprehensive document of the curriculum and syllabus is prepared and implemented.

1.1.3. How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the college benefit through the involvement of the stakeholders?

The Academic council and BOS bodies have representation from industry/R&D/Institutes of National importance who are fully aware of the needs of industry/R&D/Topical Education. Hence the curriculum developed helps to enrich the course content. Members of the faculty have liaison with the industry/R&D institution/Premier Institutes and depute students for carrying out their projects with the experts and this makes the faculty updating themselves as well as the course content.

Memorandum of Understandings (MOUs) with Microsoft, Infosys, Industries, Institute for Electronic Governance - Jawahar Knowledge Center, Govt. of A.P. etc., help to train the teachers & students to acquire necessary skills.

Suggestions of Experts from Industry, Research Organizations, and eminent academicians are taken while they visit our institute for guest lecturs and many.

1.1.4. How are the following aspects ensured through curriculum design and Development?

(a) Employability

The software and communication skills that improve the employability of students find place in the revised curriculum. The theory courses and lab experiments are designed to improve the employability skills of students in both hardware and software industries. Students of all branches are given training in upgrading the English language skills, analytical skills throughout the progamme to improve their placement opportunities. Extra training programmes are provided in every department for making the students ready for Industrial jobs.

(b) Innovation

The students are encouraged to take up innovative projects in the final year. The Microsoft Innovation Centre and Research& Development Cell of the Institute are helping the students to think innovatively and financial support is also provided by the management for the innovative projects. Students are encouraged to participate actively in seminars, design contests, model making fests and Robofests for improving their innovative skills.

(c) Research

A few faculty received Research grants from DST, AICTE and UGC agencies. Many faculty members are involved in guiding the innovative project works and prototype developments. The senior professors are disseminating their research findings to the students to

improve the knowledge and interest towards research. The elective courses and seminars provided in the curriculum inculcate research aspirations among students.

1.1.5. How does college ensure that the curriculum developed addresses theneeds of the society and have relevance to the regional / National developmental needs?

The audit courses and mandatory courses such as professional Ethics, Environmental Sciences, Communication Skills etc., make the graduates to feel the social responsibility. The sectors like Energy, Communication, Transportation, IT and Infrastructure to be developed for making our country as a developed country. The curriculum is designed such that the graduates knowledge and skill address the above areas for the Nation development.

1.1.6. To what extent does the college use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the college been instrumental in leading any curricular reform which has created a national impact?

The main bodies involved in the design and development of curriculum are
- ❖ Academic Council
- ❖ Boards of Studies
- ❖ Governing Body
- ❖ Alumini Association

The Curriculum Comprises of
- ❖ Science & Humanities (5 –10%)
- ❖ Foundation Courses (10 – 15%)
- ❖ Programme specific departmental core subjects (50 – 60%)
- ❖ Electives (Programme specific) (15 – 20%)
- ❖ Open Electives (5%)

The curriculum is designed following the AICTE and NBA guidelines and rules and regulations of the affiliating University. The credit based semester system is followed. The CGPA grading system is followed in evaluating the students every semester.

1.2 Academic Flexibility:

1.2.1 Give details on the following provisions with reference to academic Flexibility.

i. Core / Elective options:

All UG programmes offer 4 electives 3 internal electives and 1 other departmental elective and 2 MOOC courses as electives in IV-II semester as per R-14 regulations. PG programmes offers 4 departmental electives as per R-15 regulations.

ii. Enrichment courses:

Depending on the skills needed for employability, each department offers courses on Technical Skills, Personality development, Communication Skills and New Technologies.

iii. Courses offered in modular form:

Basic Sciences and core subjects are offered in modular form.

iv. Credit transfer and accumulation facility:

As per the guidelines of the affiliating university

v. Lateral and vertical mobility within and across programmes and courses:

The Institution has facility to have lateral admission into 2nd year of U.G. Programme for Diploma holders through ECET and Lateral entry for MCA second year for B.Sc computer science and BCA through ICET.

The students have the option to take few courses from other departments as open electives, audit courses.

1.2.2 Have any courses been developed targeting international students? If so, how successful have they been? If No, explain the impediments.

No special courses are offered. However foreign students are admitted into the existing UG and PG programmes

1.2.3 Does the college offer dual degree and twinning programmes? If yes, givedetails.
NO

1.2.4 Does the college offer self-financing programmes? If yes, list them andindicate if policies regarding admission, fee structure, teacherqualification and salary are at par with the aided programmes?

YES

Self –financing programmes offered are

Under Graduate Courses B.Tech
1. Civil Engineering (CE)
2. Electrical and Electronics Engineering (EEE)
3. Mechanical Engineering (ME)
4. Electronics and Communication Engineering (ECE)
5. Computer Science and Engineering (CSE)
6. Information Technology (IT)
7. Automobile Engineering (AE)
8. Electronicd and Telecommunication Engineering (ETE)

Post Graduate Courses
9. M. Tech. (STRC)
10. M. Tech. (VLSI Design)
11. M. Tech. (Software Engineering)
12. M. Tech. (CAD/CAM)
13. M. Tech. (Computer science)
14. M. Tech. (Computer science and Engineering)
15. M. Tech. (PE & ED)
16. M. Tech. (Digital Electronics & Communication Systems)
17. M. Tech. (Embedded Systems)
18. M. Tech. (Electrical Power Systems)
19. M. Tech. (Machine Design)
20. M.C.A.
21. M.B.A.

GOs issued by Government of Andhra Pradesh, AICTE, UGC & JNTUA regarding admission, fee structure, teacher qualifications and salaries.

1.2.5 Has the college adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?

YES

8 UG programmes and 13 PG Programmes are covered under Choice based Credit system

1.2.6 What percentage of programmes offered by the college follows?

- Semester System : 100%

1.2.7 What is the policy of the college to promote inter – disciplinary programmes? Name the programmes and what is the outcome?

The policy of the college is to offer one elective under inter disciplinary programme for all UG programmes implemented in w.e.f 2016-2017 academic year.

1.3 Curriculum Enrichment:

1.3.1 How often is the curriculum of the college reviewed for making it socially relevant and / or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum is reviewed regularly in 2 years. A change is effected in 2 years. The autonomous system is implemented in the year 2012 and new curriculum is developed and implemented. To incorporate the recent developments and to improve the employment opportunities of students the new regulation R-14 is developed and it is implemented from 2014-15 for UG programmes and Regulation R-15 is developed and implemented from 2015-16 for PG programmes.

1.3.2 How many new programmes have been introduced at UG and PG level during the last four years? Mention details.

U.G:
1. Automobile Engineering (2014), Intake:60
2. Electronicd and Telecommunication Engineering (ETE), Intake:60

P.G:
1. MCA 2nd year direct (2014), Intake :60
2. M.Tech (CSE)2nd shift (2012) Intake :18
3. M.Tech (CS)2nd shift (2012) Intake :18
4. M.Tech (Machine Design) (2014), Intake :24
5. M.Tech (Software Engineering) 2nd shift (2012), Intake :18
6. M.Tech (DECS) (2010) 2nd shift, Intake :18
7. M.Tech (Embedded Systems) (2010) 2nd shift, Intake :18
8. M.Tech (Electrical Power Systems) (2014) Intake :24
9. M.Tech (Structural Engineering) (2012)Intake :18
10. M.Tech (VLSI -2nd Shift) Intake :18
11. M.Tech (PE & ED) Intake :18

1.3.3 What are the strategies for revision of existing programmes? What percentage of courses underwent a major syllabus revision?

The inputs from the stake holders (Alumni, Parents, Industry, senior professors and Employers of our Alumni) are collected and discussed in the Departmental meetings and in BOS regarding the revision of syllabus. 20% to 30% of the courses underwent revision in R-12, R-14 and R-15 regulations

1.3.4 What are the value-added courses offered by the college and how does the college ensure that all students have access to them?

A list of value added courses offered to the students depending on their choice. Communication skills and aptitude training programmes are provided for all the Third year and Final year students for better placements.

(Details are enclosed in Annexure-VI)

1.3.5 Has the college introduced any higher order skill developmentprogrammes in consonance with the national requirements as outlined by the National Skills Development Corporation and other Agencies?

To meet the national manpower requirements, our institute is providing training on entrepreneur skills, Computer software trainings, CNC Programming, Auto CAD and Solid Modeling software training, Repair of Electrical motors and Repair of Electronic Gadgets during summer vacation.

1.4 Feedback System:

1.4.1 Does the college have a formal mechanism to obtain feedback from Students regarding the curriculum and how is it made use of?

YES

In every department a committee is constituted to collect the feedback from the students at the end of semester and from the all outgoing students. This feedback data is analyzed by the committee and a report on modifications required for curriculum is submitted to chairman BOS. The necessary modifications were placed before the BOS and Academic Council for the approval before implementing in the revised curriculum.

1.4.2 Does the college elicit feedback on the curriculum from national and International faculty? If yes, specify a few methods adopted to do the same – (Conducting webinar, workshop, online forum discussion etc.,) Give details of the impact on such feedback.

YES

In the BOS, Academic Council and Alumni association many are members from the reputed institutions like IIT, NIT and JNTU. We are taking suggestions from these members while preparing the Curriculum and syllabus. Regularly we are inviting eminent academicians from foreign universities for Guest lectures and suggestions are taken from them. Our Institute is having MOUs with Five USA universities. Many senior persons from **Infosys, IBM, Microsoft etc.,** are visiting our campus for various functions like Orientation programmes, Youth festivals, I-Technofest, and other activities like Guest Lectures, and Placement drives. Hence, we are interacting with senior Industrial persons informally also to take suggestions about curriculum, internship, collaborative Programmes and Projects. All these inputs are helping to make our students better employable.

1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

The Head of Department concerned will constitute Department Advisory Board. This Advisory Board will appoint the programme coordinator and module coordinator. These

coordinators will conduct regular meetings with various stake holders and collect feedback. This feedback is placed before BOS for Curriculum Enrichment.

1.4.4 **What are the quality sustenance and quality enhancement measuresundertaken by the institution in ensuring effective development of the curricula?**

As per NBA guidelines, in every department an Assessment Committee is setup to assess the learning outcomes of every subject. The assessment level of every outcome is discussed by the committee on regular basis and brought to the notice of HOD to improve the teaching methodology and syllabus. In the faculty meetings, and through e-mails, these outcomes are communicated and discussed to improve the academics. The external eminent academicians and experts from industry are contacted regularly to improve the Curriculum and Teaching and learning process.

CRITERION II: TEACHING -LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 **How does the College ensure publicity and transparency in the admission process?**

With well established infrastructure and a good number of qualified teaching staff, the institution has established a brand image and this is taking helpimg with all possible options in wide publicity for better student admissions. The institution's special prospectus containing the standards, vision, mission and achievements highlights the quality of engineering education in the institute for producing of talented technocrats. The website of the institution clearly enlightens the message and serves as publicity. The Institute often publicizes the advertisements in the Regional as well as National Newspapers for admissions.

The students are generally admitted into the various programmes through the EAMCET, ICET, ECET, PGECET, GATE and other qualifying process.

The Under Graduate Admissions are being carried out by Andhra Pradesh State Council for Higher Education after conducting a state level entrance test (EAMCET). The Convener quota seats are filled by convener on merit basis and fulfilling the reservation policies of the State Government. 30% seats are filled by Management, under management quota. The management quota seats are also filled on the merit basis satisfying the reservation procedures.

Provision for lateral entry admissions for diploma-holders at second year B.Tech level is available in this institute subject to a maximum of 20% of seats. These admissions are carried out by the Andhra Pradesh State Council for Higher Education after conducting a State level entrance test "ECET". The convener allots the students as per the norms of the A.P. Government policy.

Admissions to the post graduate programmes (M.Tech, MBA & MCA) of the institute are being based on the merit in ICET / GATE / PG Entrance test conducted by JNTU following the reservation policies of the State Government.

2.1.2 **Explain in detail the process of admission put in place for UG, PG and Ph.D.programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?**

Common Entrance Tests like EAMCET, PGECET & ICET are conducted for admission into UG, M.Tech, MBA, MCA programmes respectively. The state govt. (APSCHE) follows centralized admission procedure for Convener Quota into various Govt. and Private Colleges.

UG Admissions: The students are admitted into four year B.Tech (UG) programmes based on twocategories.
1. Category-A
2. Category-B

Category-A (Convener Quota)

70% of total seats come under Category-A seats. These seats are filled by the Convener, EAMCET has established regulations and procedure for admission of students into various Colleges/ branches. The admission procedure is.

- Issue of notification- published in the leading Newspapers and websites http://www.apsche.org/, http://www.apeamcet.org
- Online prospectus and applications
- Submission of applications through Online
- Conducting the entrance test and publishing the results
- Preparation of consolidated Rank list

Admission procedure:

- EAMCET counseling dates and schedule is notified in the websites as well as newspapers.
- Candidates need to select the college/branch using EAMCET web counseling procedure.
- EAMCET online Web Counseling for selecting the college/branch is provided in http://www.apsche.org

Counseling:

- Verification of Certificates.
- Exercising Options to select the College/ branch through web counseling by entering the EAMCET rank, name and Hall Ticket number.
- Editing the options (to change the College/Branch).
- Seat allotment as per the merit order and choice.
- Paying the fee.
- Reporting at the College allotted.
- The admission committee monitors the entire process in order to ensure transparency.

Category-B: (Management quota):

- 30% of the total seats are under Category-B and these seats are filled by the College Management as per guidelines of APSCHE. Following a definite procedure, the Management maintains total transparency in filling the seats. The admissions are on the basis of the rank obtained in the EAMCET / marks obtained in the qualifying Examination at Intermediate or equivalent exam recognized by Board of Intermediate, A.P.
- College gives the publicity in the print, electronic media and website about the availability of seats and the criteria of admission, course wise.
- Prepares a merit list based upon the received applications.
- The list of selected candidates is displayed in the notice boards and informed to the candidates.
- All Admissions are ratified by the Govt. of A.P.

Lateral Entry:

Under Lateral Entry Scheme, there is a provision for Diploma / B.Sc. (MPC) Degree holders for admission in to II/IV B.Tech. (20% seats). The admission is based on the rank obtained in ECET conducted by APSCHE.

PG Admissions: M. Tech, MBA and MCA

Postgraduate (PG) admission is divided into two categories i.e. Category-A (70% of total seats in the Colleges/Branches) and Category-B (30% of the total seats).

Category-A:

Seats in M.Tech are filled by Convener, APSCHE based on the GATE / PGECET rank. The seats for MBA & MCA are filled by Convener, APSCHE based on the ICET rank.

Category-B (Management Quota):

30% of the seats come under Category-B and these seats are filled by the College Management as per guidelines of APSCHE by following a transparent procedure. The admissions are on the basis of the rank obtained in the GATE / PGECET / ICET or marks obtained in the qualifying Examination (B.Tech for admission into M.Tech any degree for admission into MBA & MCA).

- College gives the publicity in the print, electronic media and website about the availability of seats and the criteria of admission, course wise.
- Prepares a merit list based upon the received applications as per the orders of Govt. of Andhra Pradesh.
- The list of selected candidate is displayed in the notice boards and informed to the candidates regarding reporting date.
- Admitted students admission is ratified by the Govt. of A.P

2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

YES,

The admissions (intake ranks) of various categories are reviewed every year. Students from other states are joining our college. Many foreign students are also joining our college and their strength also increasing year by year. Institution is focusing on better Training and Placement activities to improve the admission quality. Institution conducts training programmes on software and hardware to improve the employability skills. The Institution has MOUs with many renowned companies like INFOSYS, IBM, MICROSOFT, etc., to make the students industry ready.

2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories.

SC/ST

1. The institute is maintaining the Book Bank in the library for SC/ST students.
2. Information provision about government jobs for special recruitment drive.
3. Remedial classes are arranged for the slow learners and for the students who failed in the subjects.

OBC

1. Information provision about government jobs for special recruitment drive.
2. Remedial classes are arranged for the slow learners and for the students who failed in the subjects

WOMEN

   The Institution is having good number of girl students from our state as well as from other states and from other countries also. The Institution follows the reservation rules of women admissions as per policy of Andhra Pradesh government. Hostel accommodation is provided for the girl students under safety and security environment. Waiting halls are provided in the college for girl students in every block. Clinic, Doctor, ambulance and medical facilities are also provided on site of the hostels of college.

Different categories of persons with disabilities

   College is providing necessary facilities for the disabled students. In I-Year block Lift facility is planned for disabled students. In other buildings, ground floor is used for the conduction of class, to the disabled students of that class.

Economically weaker sections

   College is helping the weaker section students by fee concessions.

2.1.5 Furnish the number of students admitted in the College in the last four academic years.

    B. Tech

Branch	2013-14		2014-15		2015-16		2016-17	
	Intake	Admitted	Intake	Admitted	Intake	Admitted	Intake	Admitted
CE	120	117	180	179	180	171	180	77
EEE	120	98	120	80	120	85	120	27
ME	240	219	240	210	240	190	240	78
ECE	180	145	240	223	240	208	240	175
CSE	120	104	120	126	120	136	180	152
IT	60	0	60	16	60	36	60	19
AE	--	--	60	--	60	07	60	05
ETE	--	--	--	--	--	--	60	--
Total	**840**	**683**	**1020**	**834**	**1020**	**833**	**1080**	**533**

M. Tech

Branch	2013-14		2014-15		2015-16		2016-17	
	Intake	Admitted	Intake	Admitted	Intake	Admitted	Intake	Admitted
M.Tech- Structural Engineering	18	12	18	15	18	14	18	13
M.Tech-PE & ED	18	10	18	7	18	04	18	03
M.Tech CAD / CAM	18	10	18	3	18	01	18	03
M.Tech-CSE	36	23	36	8	36	10	36	04
M.Tech- VLSI Deign	36	17	36	11	36	02	36	-

M.Tech-Computer Science	18	4	18	3	18	02	18	-
M.Tech-Software Engineering	18	2	18	0	18	03	18	-
M.Tech-Embedded System	18	17	18	12	18	03	18	05
M.Tech-DE & CS	18	3	18	5	18	05	18	01
M.Tech-Electrical Power Systems	-	-	24	11	24	11	24	06
M.Tech-Machine Design	-	-	24	07	24	03	24	09
Total	**198**	**98**	**246**	**82**	**246**	**58**	**246**	**44**

MBA & MCA

Branch	2013-14		2014-15		2015-16		2016-17	
	Intake	Admitted	Intake	Admitted	Intake	Admitted	Intake	Admitted
MCA	180	96	180	51	180	63	60	41
MCA 2nd Direct	-	-	60	1	60	08	60	16
MBA	180	122	300	241	300	270	300	159
Total	**360**	**218**	**540**	**293**	**540**	**341**	**420**	**216**

2.1.6 Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.

The admissions are centralized and controlled by APSCHE by conducting various entrance tests EAMCET, PGECET, ICET, etc., in Andhra Pradesh. It is observed that, the demand for branches is varying every year, but in the recent years the demand in the market for various branches of UG is as follows: 1. ECE, 2. ME, 3. Civil Engineering, 4. CSE, 5. EEE, 6. IT, 7. AE, 8. ETE. Hence the college has increased its intake in CSE, ECE and Civil Engineering branches.

2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons.

NO

2.2 Catering to Student Diversity

2.2.1 Does the College organize orientation / induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.

YES

The students' orientation programme will be organized after their admission. For foreign students, the Orientation programme will be organized for one month based on the time availability. In the Orientation programme Vice Chairman, Executive Director, Principal, Vice Principal, Controller of Examinations, Deans, Head of Departments, Warden and Administrative Officer addresse the students and their parents about the following points.

1. Introduction of Management and administrative officers of college.
2. Facilities in the college and encouragement to maximum utilization.

3. About Autonomous system and its advantages and importance of Add-on courses, Core Engineering Courses, Electives-programme and open, Certificate Courses and other academic programmes.
4. Discipline in the college
5. Importance of engineering graduation in economic development and social responsibility.
6. Lab facilities and handling of equipments.
7. Placements and Training programmes.
8. Hostel facilities and cleanliness in the hostel campus.
9. Anti ragging and punishments to those who involved in the ragging. Authorised person to contact, when ragging occurs.
10. Pledging and declaration as ragging free campus.

2.2.2 **Does the College have a mechanism through which the "differential requirements of student population" are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

YES

After the admission, the departmental faculty interacts with students to understand their difficulties. The rural students have lack of communication skills.

Remedial measures

- English communication classes are arranged.
- More number of language courses and labs are added in the R-14 regulations.
- Fundamental science classes are arranged.

2.2.3 **Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department wise/ faculty-wise?**

YES

They are encouraged to take up Add-on courses to improve and gain the knowledge in their respective area of interest.

2.2.4 **Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically handicapped and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.**

YES

Academically weaker students are identified based on their mid exam marks and external exam results. The identified students are given counseling by the HOD, Mentors, Class Teachers and subject teachers to improve their performance. Tutorial classes and remedial classes are arranged to improve performance of the academically weaker students.

Improvement is observed in the academics

- The performance in sessional marks.
- The performance in end examinations.
- Attendance percentage.

Remedial measures

- Study materials are supplied to the needy.
- Remedial classes are conducted to students having backlog subjects and preparing for supplementary exams.

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

- Add-on-courses are offered during supplementary semester by the departments and additional credits are provided.
- They are encouraged to take up Internship in Industry / R&D Institutions.
- Students are encouraged to participate in the on-going institutional/sponsored research projects.
- Students are encouraged to Present papers in National / Regional conferences, and financial aid is provided.
- Leadership qualities are enhanced to the students by making them to organize the Conferences, Workshops and Techno-Cultural fests.
- Students are encouraged to publish Research articles in reputed National/International Journals.

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

- Attention is paid for differently-abled students during teaching.
- For physical disability students the lecture halls and exam halls are arranged in the ground floor and help is provided to take them to the required class room.
- The lift provision is available at new block.

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 and evaluation blue print, etc.)

Before the commencement of every academic year, Odd and Even semester's academic calendar is made available to students and staff. The academic calendar consists of starting of the semester, mid exams dates, end of semester and end exams commencement and ending dates of both semesters. The **College Web Site** will provide all the necessary details.

Teaching Plan:

- Faculty concerned will prepare the lesson plan
- The HODs monitor the syllabus progress on a regular basis and reports the same to the Principal. Wherever, a deviation is observed, concerned faculty is advised to take additional classes.
- The syllabus is completed to meet the objectives are totally fulfilled.
- Faculty members focus on subject fundamentals clearly.
- Feedback is collected from the students for every course and corrective measures are taken.

Evaluation Blue Print:

The mid exams answer scripts are evaluated by the concerned subject teacher and will be distributed to the students for verification. The external exam papers are evaluated by the external faculty of reputed institutions. The laboratory examinations are conducted by the concerned lab faculty as internal examiner and other senior faculty in the same department as external examiner. The revaluation, re-totaling in the theory subjects will be carried out as per the college autonomous regulations.

2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

YES

The syllabus of the complete course is given to the students in the first year itself. The syllabus book consists of all the rules and regulations of Autonomous system and list of subjects. For every subject the objectives and outcomes are listed. The faculty will prepare the lesson plan and complete the syllabus as per the time schedule given in the Academic Calendar. The HOD monitors the syllabus completion and the faculty performance in classroom for every 15 days. The faculty members are given proper guidance by senior professors based on the feedback from students and class teachers. This ensures the implementation of academic calendar effectively.

2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

In general for all the faculty members utilizes the following
  o Glass boards, LCD projectors, NPTEL, DVDs/CDs and webinars etc.

Apart from them, they adopt various techniques like group discussions, quizzes, cross word puzzles, debates, Q & A sessions, case-study analysis, seminars, ppts, collaborative learining and many.

In addition to that we are providing the following.
- Guest lectures by the eminent persons from Institutions/Industry
- Industrial visits
- Internship in industries in summer vacation.
- Paper presentation at Seminars/Conferences.
- Providing access to e-journals and e-books
- Students visit exhibitions/mock demonstrations organized by industries / I.T companies.

2.3.4 How 'learning' is made more student-centric? Give a list of Participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The process of student learning are made student centric by mixing the class room teaching with other activities of learning processes.

In 36 hours of class work 6 hours is dedicated for Labs and 6 hours for Tutorials. Thereby Students get experimental knowledge and clarity in the concepts in the labs. Due to interactive-discussion in the Tutorial classes, the student learns how to express and improves his problem solving skills. The following activities are carried out:

- Encourages students to participate in intra college technical competitions, conferences, seminars, Technical Quizzes and workshops.
- Encourages to take-up innovative projects.
- Videos are shown for better understanding of fundamental concepts & operation details.
- Students are given assignments to solve the problems and MID tests are conducted along with regular exams.
- Software courses and communication skill development programmes are organized to improve the employability skills of students.

- 'Audit courses' are introduced in all programmes of the institution.

2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

The college management is allocating the budget for organizing the seminars, workshops, and conferences in the departments in every semester / year. The Department association plans the guest lectures and the college provides the financial support. As a college policy every department organizes 'Expert Lectures' by inviting faculty from IITs, NITs, IISc, IIITs, Central Universities and experts from the Industry.

2.3.6 What are the latest technologies and facilities used by the faculty for effectiveteaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.

- PPTs, Audio Visual instructions
- Web seminars/Edu-Sat
- Simulation-based tools in different programmes like Matlab, NS-2, Lab-view, Metrographics, Autocad, catia, Ansys etc.,
- Language Lab
- Every Department is having adequate number of computers and internet facility, to access and to download online journals and course content
- AC seminar Hall with ICT (Information and Communication Technology) facilities are provided to conduct guest lectures, seminars, workshops etc.,
- Each Department is provided class rooms with LCD facility.
- 2 e-class rooms are provided with Interactive white board.

2.3.7 Is there a provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.

YES

- For every staff member 15 – 20 students are assigned as a part of counseling to guide them in the proper direction by listening to his/her problems related to academic and personal problems.
- On a regular basis the faculty members counsel the students and if required the problem will be brought to the notice of HOD and Principal for necessary action.
- The arrogant, disobedient, mentally depressed, irregular to the class work and have poor academic performance students are counseled by senior faculty to bring a change in their attitude.

2.3.8 Are there any innovative teaching approaches/methods/practices adopted/ put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

In general the following techniques are used by the faculty in the teaching.

- Power Point presentation on the topics in the course and as well advanced topics.
- Usage of models and labs for better explanation.
- Increase in placement and pass percentage.
- Incentive and certificate are issued for the faculty who achieved 95% pass percentage in their subjects.

- Based on the Performance the promotions and increments are provided.

2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

- Innovative Projects are given to the students to induce scientific innovation.
- By allowing the students to participate in the seminars, conferences and workshops, an interest is created in the new concepts / technologies.
- Students are allowed to associate in Research Projects.
- Department Association invites the experts from Research organizations to give Lectures on latest Technologies / Innovations to motivate the students towards research.
- Students are allowed to visit/Undergo short term training in R&D Labs
- Students are encouraged to participate in Model development, poster presentations and science exhibitions etc., to improve their creativity and problem solving skills.

2.3.10 Does the College consider student projects a mandatory part of the Learning programme? If so, for how many programmes is it made mandatory?

YES

All 21 Programmes (UG & PG) are made mandatory to take up Project Works within the college and also outside including industries.

List of in house projects and projects carried in Industry for the last 4 years dept. wise Names of external institutions associated with the College for student project Works

1) **Department wise inhouse projects**

S.No.	Name of the Dept.	No. of Projects done within the college			
		2013-14	2014-15	2015-16	2016-17
UG/ B. Tech					
1.	Civil Engineering	12	20	28	-
2.	Mechanical Engineering	30	27	-	46
3.	Electrical and Electronics Engineering	18	23	-	-
4.	Electronics and Communication Engineering	-	29	-	-
5.	Computer Science Engineering	16	22	-	-
6.	Information Technology	11	11	-	-
7.	Automobile Engineering	--			-
8.	Electrical and Telecommunication Engineering				-
PG / M. Tech					
9.	Structural Engineering	12	11	-	-
10.	PE & ED	19	10	-	-
11.	CAD/CAM	19	06	-	03
12.	VLSI Design	-	12	-	-
13.	Embedded Systems	-	17	-	-
14.	Electrical Power Systems	-	-	-	-
15.	Machine Design	-	-	-	07
16.	DECS	-	03	-	-

17.	CS	8	4	-	-
18.	CSE(I shift)	10	11	-	-
19.	Software Engineering	16	2	-	-
20.	MBA	**-**	**-**	**-**	**-**
21.	MCA	53	110	-	-

2) **List of external institutions associated with the student project works.**

S.No.	Name of the Dept.	Names of the External Institutions Associated With the College
1.	Civil Engineering	S.V.University, Tirupati, Structural Engineering Research Centre, Chennai
2.	Mechanical Engineering	Lanco Industries, Kalahasti, Amara Raja Batteries ltd. Thirupathi, RTPP, Muddanur, etc.
3.	Electronics and Communication Engineering	SHAR centre, sriharikota, NARL, Gadhanki,
4.	Electrical and Electronics Engineering	220 KV Substation, Greamspet, Chittoor
5.	Computer Science Engineering	Bizon Clouds, Bangalore, zeta Interactive solution, Hyderabad.
6.	Information Technology	Bizon Clouds, Bangalore
7.	MBA	Nutrine, Galla Fruits, Lanco, Amara Raja, Heritage Diary, Dodla Diary, Software industries, etc.,
8.	MCA	--

Role of the faculty in facilitating such projects

Staff (Project supervisors) gives all sorts of inputs (like project araea, literature survey, methodology, calculation procedure, experimental procedure, validation and report development etc.,) One or two batches of students are allotted to each faculty for supervising the project work. Project reviews are conducted regularly by DRC consisting of HOD and two other senior faculty and the students are given proper suggestions to improve the quality of the projects.

2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?

- All staff members use computers and Internet for their academic and research purposes.
- Every department is providing computers for staff members with internet facilities.
- To every department scanning, printing as well as photocopying facilities are also provided**.**

2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?

YES

The student feedback form is designed to cover all aspects of teaching. These forms are distributed to all the students in the class. The students are allowed to give feedback without explicitly specifying their name or register number. The head of

the department analyzes the feedback collected from the students. After analyzing the students feedback on faculty, the feedback is categorized as follows: Faculty member is

Excellent	:	95 points and above
Very Good	:	85-94 points
Good	:	75-84 points
Satisfactory	:	65-74 points
Poor	:	<64 points

HOD counsels the faculty as per the analysis of the feedback for every course. A copy of corrective measures is communicated to the faculty for appropriate action.

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

YES

At any instance class work is lost; it is compensated by working on third Saturday, Sunday and additional classes after collge working hours. Thereby we are able to complete the academic year successfully.

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

The following facilities/services are available with the library:

- Online Public Accession Catalogue (OPAC)
- Document Delivery Services (DDS)
- Digital Library Services (DL)
- Multimedia Library (ML)
- CDs, DVDs, Audio and Video Cassettes
- Internet Access
- Reprography
- LAN
- WAN
- Book Bank
- E-Books
- E-Journals

Borrowing Limits:

Staff   : Six Books (6 Books) at a time in a semester or year.
Students   : Two Books (2 Books) at a time for a semester.

Special Category Students: Two Books at a time in addition to four Books (4 Books) under Book Bank Scheme for those who belong to SC/ST category.

2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.

The college functions between 9.00 A.M. and 4.00 P.M. for academic purposes. Principal, Vice Principal, Deans and HODs will move around to monitor the class work functioning. The institution regularly plans and organizes schedules for teaching-learning and evaluation with well structured teaching plan and evaluation process following the Academic Calendar.

The institution ensures that the teaching plans are followed by checking the attendance registers and diaries periodically. The principal holds regular meetings with staff and students to check the progress of teaching and syllabus completion.

2.4 Teacher Quality

2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

Faculty Strength	:	463
Sanctioned	:	463
Filled	:	463
No. of Faculty from Outside the State	:	43

2.4.2 How are the members of the faculty selected? As per Institutional Selection Committee basis.

The vision of SVCET, Chittoor is translated into an organizational goal to identify, recruit and retain highly qualified, talented, and diverse faculty / staff, for various positions in all academic fields.

The process of recruitment includes:

- Advertisement in local and national level news papers.
- Short listing of candidates by a constituted committee.
- Preliminary Selection – Staff Selection Committee with Principal, HODs and subject Experts.

2.4.3 Furnish details of the Ratified faculty

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	10	01	06	-	13	03	33
M. Phil.	-	-	-	-	-	01	01
PG	-	-	-	-	87	30	117

2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams?

UGC-NET – 4 %

In that what percentage of teachers are with PG as highest qualification?

32.30 % of the faculty are having PG qualification

Department	% of faculty who qualified UGC-CSIR-NET,UGC-NET and SLET	% of PG faculty who qualified UGC-CSIR-NET, UGC-NET and SLET
MBA	12	12

2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.

YES

Department	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States
CE	11.6	84.6	3.8
EEE	16.6	66.8	16.6
ME	22.0	68.0	10.0
ECE	13.1	75.7	11.2
CSE	18.2	51.5	30.3
IT	50.1	28.5	21.4
HAS	0	95.4	4.6
MBA	18.9	67.5	13.6
MCA	0	88.5	11.5

2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?

YES

- The college has recruited the required number of qualified and competent faculty members.
- In the last 4 years, 247 faculty members were appointed because of increase in intake in all programmes.

2.4.7 How many visiting Professors are on the rolls of the College?

43

2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences / Seminars, in-service training, organizing national/ international conferences etc.)

The college has a Faculty Incentive Policy for Research & development, Publications in journals, in-service training, attending the conferences / workshops/ seminars to recharge its teachers.

(Details are enclosed in Annexure VII)

2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level

- Dr. A .V. Narashima Rao: Professor of Civil Engg. Dept. Best Teacher award of S.V. University, Government of Andhra Pradesh.
- Dr. K.L. Narayana: Professor of Mechanical Engg. Dept. Best Teacher award of S.V. University, Government of Andhra Pradesh.
- Dr. K.Ravindranath: Professor of Mechanical Engg. Dept. Best Teacher award of S.V. University, Government of Andhra Pradesh.

2.4.10 Provide the number of faculty who have undergone staff development Programmes during the last four years. (Add any other programme if necessary)

Department	Academic Staff Development programmes				
	Refresher courses	Orientation programmes	Staff training conducted by the college	Staff training conducted by university / other colleges	Summer/ winter schools, workshops, etc
CE	02	08	16	04	02
EEE	01	44	30	22	12
ME	05	02	50	20	-
ECE	03	30	55	-	04
CSE	-	04	45	05	50
IT	-	14	08	-	-
MBA	-	09	11	05	-
MCA	-	11	07	05	10

2.4.11 What percentage of the faculty have been invited as resource persons in Workshops/Seminars / Conferences organized by external professional agencies.

S.No	Department	Percentage of faculty invited for workshops	Percentage of faculty invited for seminars	Percentage of faculty invited for Conferences
1.	CE	30	69.56	69.56
2.	EEE	45	55	50
3.	ME	30	30	40
4.	ECE	12	63	50
5.	CSE	30	65	86
6.	IT	10	70	70
7.	MBA	16	46	42
8.	MCA	10	60	50

Teaching experience in Other Universities / National Institutions and others (in percentages)

S.No	Department	National Institutions	Other Universities	Industrial engagement	International experience in teaching
1.	CE	01	21.74	34.78	13.04
2.	EEE	02	04	Nil	Nil
3.	ME	02	30	Nil	02
4.	ECE	02	04	Nil	Nil
5.	CSE	03	04	Nil	Nil
6.	IT	-	25	Nil	Nil
7.	HAS	-	02	Nil	Nil
8.	MBA	-	-	Nil	04
9.	MCA	-	-	Nil	Nil

2.4.12 How often does the College organize academic development   programmes for its faculty, leading to enrichment of teaching learning   process?
Enrichment of teaching learning   process

- In general, the departments organize the training programmes to the faculty. During summer vacations and in the Semester break.
- Conducting faculty development programmes, workshops and conferences in the emerging technologies.
- Training programme related to thrust areas of respective domain.
- Encouraging new innovations and fabrications
- Awareness programmes on Technology break through
- Workshops and faculty development programmes are also organized with like AICTE, UGC, DST, ISTE etc.,

Teaching-Learning Methods

- The faculty members generally use conventional methods of teaching (glass board and chalk) PPTs, NPTEL videos, models and Charts in class room.
- The seminars, Technical quizzes, group discussions, labs and tutorial classes are supplement to improve the technical and communication skills.
- The project works, Industry Internship and Industrial visits will help the students to understand the latest technologies and exposure with interaction of field experts.
- Additional classes are arranged for the slow learners and remedial classes are arranged to students with backlogs.
- All the faculty members maintain lecture notes, lessons plan and teaching diary. HODs will monitor teaching performance of faculty by taking the feedback from students at regular intervals.
- The teachers' performance is evaluated based on student feedback and self appraisal report in every semester.

Examination reforms

- At the beginning of semester, orientation programme will be organized by the Controller of Examination about the Examination Process/ Scheme of Evaluation.
- The evaluated answer scripts and award list are cross checked by the examination section to avoid discrepancies in the internal evaluation.
- Transparency in evaluation programme.
- Faculty members conduct Surprise tests, Quizs, Seminars, and Assignments to evaluate the students' knowledge and skills.
- The junior faculty members are advised by the HOD and senior staff members, in designing the question papers in such a way that it reflects the course outcomes and programme.

Content / knowledge management

- The teaching notes, PPT copies are given to the students on their request.
- Sufficient copies of the lab manuals are prepared and provided at every experimental setup.
- The internal and external question papers of previous years's hard-copies and soft copies are maintained in the department.
- The required models and charts are procured or designed and fabricated and maintained in the department.

Any other (please specify)

- In the departments the class teachers identify the slow learners based on their marks in mid exams and assignments. To improve students' academic performance additional and remedial classes are organized.

2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?

Innovations: In the past five years, the teaching methodology and usage of novel techniques are improved. They include

- Lab taken to class
- OBE training
- The faculty members brief the previous class topic and present the importance of present topic in the starting of class, thereby the student's attention towards the subject is drawn.
- The usage of PPT's and videos by the faculty is improved in all the subjects.
- The faculty is able to prepare the proper lesson plan and implement it effectively by giving equal importance to all topics.
- In the e-class rooms, Interactive white board is used.
- The no. of guest lectures by eminent academicians and by Industrial experts arranged is increased in the past five years.
- The more number of innovatives, fabrication and real time projects taken up by the departments is improved in the past 5 years.

Rewards:

- Innovations are rewarded in the form of appreciation letters.

2.4.14 Does the College have a mechanism to encourage?

- Mobility of faculty between institutions for teaching?
  NIL
- Faculty exchange programmes with national and international bodies? If yes, how have these schemes helped in enriching quality of the faculty?
  NIL

2.5 Evaluation Process and Reforms

2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?

- At the first year itself, all the students are provided with a printed hand book which contains Regulations, Schemes of Instructions, Examination system, Evaluation process, Grades and Programme Objectives & outcomes along with the syllabus.
- During the orientation programme for first year students, the HOD addresses all the first year students about rules and regulations and both internal and external evaluation procedures and distribution of marks.
- The academic calendar having all the information necessary for the students for the entire semester is displayed on the notice board of all departments.
- If there are any changes in the events of the academic calendar and the schedule due to unforeseen circumstances, it will be notified to the students by HOD and faculty from time to time through circulars displayed on the notice board, announcement in college website and e-mail.
- The examination section clarifies all doubts about the evaluation process to any student or a new faculty. There is transparency in the evaluation system.

2.5.2 **What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

- In the autonomous system, Credit based system is introduced for the benefit of the students to get admissions into foreign universities.
- Assignments carry 10 marks in every theory subject. These assignments are conducted in the form of test by announcing the questions one week before. This will facilitate the students to prepare well for the end exams.
- Jumbling seating system is followed for the students to conduct the examinations in a free and fair manner.
- In the new R-14 regulations, the semester system is introduced in the B. Tech first year itself.
- In the new R-14 regulations the no. of units in the theory subjects are reduced from 8 to 5 thereby the focus on the fundamentals of the subject is increased.
- In the R-14 regulations external exams, 5 short answer questions are introduced for 20 marks without any choice. Thereby student read all the units.
- Many UG Students take up Internship voluntarily during summer vacation, which provides them an exposure to industrial environment. This helps them during campus placements.
- In the autonomous system all the end exam papers are valued by the external examiners.
- The end exam results are announced within 12 days after the end exams, thereby students are getting more time for preparing for supplementary exams.

2.5.3 **What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**

❖ **Continuous Assessment**:
- The internal continuous assessment of theory subjects is made through Mid Examinations, Assignment tests and End Semester Examinations.
- The labs are evaluated internally by awarding the marks for day to day experiments and records. The external exam is conducted by senior person of department as an external examiner.
- The project work is continuously evaluated by three reviews by the Departmental Review Committee consists of HOD and other two senior faculty in the department.
- The College follows semester system with two mid and Assignment tests in each semester, one at the middle and the other after the end of academic session.
- After every mid examination, the corrected answer scripts with concerned teacher's comments are distributed to the students. Any discrepancies reported by student are rectified before the marks statement is finalized.

❖ **Monitoring Mechanism**:
- Student's marks and attendance details are sent to the parents through the post/courier/telephone/e-mail.
- The students with less than 75% attendance are counseled by the class teacher and HOD periodically.

- Special classes are arranged beyond the college hours to students of low academic performance.

2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?

- Continuous Internal evaluation is given 30% and Semester end examinations given 70% weightage.
- The final performance of student is assessed in every course by adding both internal and external marks. The pass percentage of marks in any course is 40%.

Distribution of marks in B.Tech, R-14 Regulations for theory subjects, Lab, Drawing subject and Project work

S. No	Subject	Internal (maximum marks)	External (maximum marks)	Total
1	Theory	30 (Mid Exam-20, Assisgnment-10)	70	100
2	Lab	30	70	100
3	Audit Course	-	-	-
4	Project work	100	200	300

Distribution of marks in M. Tech for theory subjects, Lab, and Project work

S. No	Subject	Internal (maximum marks)	External (maximum marks)	Total
1	Theory	40	60	100
2	Lab	40	60	100
3	Seminar	50	-	50
4	Comprehensive Viva voce	100	-	100
5	Project work	120	180	300

Distribution of marks in B.Tech, R-12 Regulations for theory subjects, Lab, Drawing subject andProject work

S. No	Subject	Internal (maximum marks)	External (maximum Marks)	Total
1	Theory	30 (Mid exam-20, Assisgnment-10)	70	100
2	Lab	25	50	75
3	Mini Project	50	-	50
4	Seminar	50	-	50
5	Comprehensive Viva voce	100	-	100
6	Project work	50	150	200

Distribution of marks in M. Tech, R-15 Regulations for theory subjects, Lab and Project work

S. No	Subject	Internal (maximum marks)	External (maximum marks)	Total
1	Theory	40	60	100
2	Lab	40	60	100
3	Seminar I, II	50	-	50
4	Comprehensive Viva voce	100	-	100
5	Project work	120	180	300

Distribution of marks in M.B.A, R-15 Regulations for theory subjects, case study and Project work

S.No	Subject	Internal (maximum marks)	External (maximum marks)	Total
1	Theory	40	60	100
2	Seminar on contemporary issue in Management	50	-	50
3	Mini-Project	50	-	50
4	Project work	80	120	200

Distribution of marks in M.C.A, R-15 regulations for theory subjects, Lab and Project work

S.No	Subject	Internal (maximum marks)	External (maximum marks)	Total
1	Theory	40	60	100
2	Lab	40	60	100
3	Project work	170	180	350

2.5.5 Does the college adhere to the declared examination schedules? If not, what measures have been taken to address the delay?

YES

- The college adheres to the declared examination schedules which are prepared and published at the beginning of the semester strictly.
- In case of emergencies like declaration of holidays by the state government, natural calamities, strike etc, necessary changes are made in the examination schedule and brought to the notice of concerned students and faculty.

2.5.6 What is the average time taken by the college for declaration of examination results? Indicate the mode / media adopted by the college for the publication of examination results e.g., website, SMS, email etc.

- In general, results will be declared within 15 days after the last date of end examination.
- The results are displayed on the individual department notice boards and in the college website.

2.5.7 Does the college have an integral examination platform for the following process?

YES

The College has an integral examination platform for the following processes.

❖ **Pre-examination processes**:

- Time table generation, student list generation, invigilators, squads, attendance sheet, etc. comes under pre-examination process.
- The date of commencement of End-semester examinations is finalized based on the dates specified in the academic calendar. The time table is generated accordingly and displayed in all notice boards and circular is issued to all classes and also will be publicized in college website.
- The registered candidates (who satisfy the conditions of promotion) list is generated to make arrangements for seating plan and attendance sheet.
- The Internal squad duty and room wise invigilation duty is assigned by the Chief Superintendent.

❖ **Examination process** –**Examination material management, logistics:**

- The question papers will be handed over to the invigilators in the examination hall by the Additional Controller of Exams / Internal squads/ confidential Invigilators.

❖ **Post examination process** – **attendance capture, generic result processing and certification:**

- The Absentee statement is prepared branch wise for each course.
- The answer scripts are sealed branch wise under the supervision of Chief Superintendent and handed over to the Controller of Examinations.
- The answer scripts are coded and spot valuation is organized for the evaluation by external examiners.
- All the valued answer scripts are decoded and marks are entered against the code number.
- The data is processed and verified by the Special Section (Exams) under the supervision of CoE and the results are generated.
- Grafting is exercised as per norms and final result along with Grade is given.
- Statement of Grades is issued to the students

2.5.8 Has the College introduced any reforms in its Ph.D evaluation process?
  NIL

2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division / section?

- The exam section office is expanded in the year 2012 to cope up with the increased load in the autonomous system.
- A separate confidential section is provided to deal with the post examination process. The required computers and software are provided to print the question papers, and to do all pre and post examination works. All the examination works like setting of question papers, printing of mark sheets, etc., are done confidentially.
- The invigilators handed over the answer scripts to the exam section as soon as the examination is over.
- The answer scripts are coded on same day after completion of exam.
- All the answer scripts are valued by external examiners.

- All the valued answer scripts are scrutinized and marks are entered against the code number.
- All the marks data is verified by the Controller of Examination office in the confidential room.
- The grafting is exercised as per norms and final result along with grades is prepared.
- The results committee meeting is held in the college before the results are declared.
- Examination results are declared through college website and notice boards.
- Marks memos are prepared and distributed to the students.

2.5.10 What is the mechanism of redressal of grievances with reference to evaluation?

A transparent evaluation procedure is followed by the institution. At the end of mid exams, the evaluated answer scripts along with the comments are distributed to the students. The students are free to ask clarifications with regard to the evaluation procedure. The discrepancies noticed will be rectified and then the marks statement is prepared by the faculty.

However, any grievance related to external exams can be addressed to the controller of examination by the students. Either by recounting or revaluation of the answer scripts the internals grievances is addressed. The students are permitted to opt for any one of the above choices. However the student is expected to submit an application with in a stipulated period from the date of announcement of results. Student has to pay the required fee as per Institution rules. An expert member will be appointed by the controller of examination for recounting or revaluation of the script. Later the final result will be announced.

2.6. Student Performance and Learning Outcomes
2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?

- Objectives and Outcomes of each programme are displayed in the Institution website.
- These outcomes are reviewed in all the departmental faculty meetings to facilitate familiarization among the faculty.
- In turn in orientation programme, the students are explained about the outcomes expected by the faculty.

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

- Care is taken to achieve the learning outcomes during discussion in the class rooms about question paper setting and in preparation of lecture plan.
- Both extra-curricular and co-curricular activities are organized to achieve the expected outcomes.
- A teacher monitors the students curricular activities to evaluate the performance of the students in attaining the learning outcomes.
- Both surprise tests and regular assessments help to monitor the progress of the students.
- A proctor system involving assignment of about 15 students to a faculty member is being followed. They meet every week and take steps to redress any grievances of the students and also a record is maintained.
- An assessment committee formed in the department collects all data and consolidates the result of learning outcomes.
- All the data is discussed in the department meetings to take appropriate decisions for improving the learning outcomes.

2.6.3 How does the institution collect and analyze data on student learning outcomes and use it for overcoming barriers of learning?

- The assessment committee in every department collects the data of mid marks and external exam marks of every student. This data is utilized to evaluate the outcomes in every subject and programme outcomes. The outcomes are further discussed in in the departmental meetings for taking necessary action.The modifications suggested in the various departmental meetings related to curriculum changes, teaching methodology changes, required in teaching learning process. These are also discussed in the BOS and Academic Counseling meetings for approval. The approved curriculum is implemented.
- The BOS members' opinions and suggestions are taken. Suggestions are also taken from expert academicians, Industry, and Alumni students on a regular basis both formally and informally. This data is also discussed in the meetings to arrive at the better teaching and learning process.
- Based on the collected information and their performance in the sessional examination, slow and advanced learners are identified and remedial coaching is arranged during zero hours and after class hours. Personal attention is also paid to the identified slow learners.

2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.

U.G. Coursers ---- B. Tech

S.No.	Branch	2015-16		2014-15		2013-14		2012-13	
		Pass %	Completion rate	Pass %	Completion rate	Pass %	Completion rate	Pass %	Completion rate
1	CE	66.16	0.66	69.29	0.70	84.61	0.84	59.64	0.60
2	EEE	69.16	0.69	82.14	0.82	87.75	0.88	79.26	0.79
3	IT	84.84	0.85	56.81	0.59	74.46	0.74	82.50	0.82
4	ECE	76.96	0.77	78.03	0.78	84.32	0.84	77.77	0.78
5	ME	72.53	0.73	77.44	0.77	73.97	0.74	67.77	0.68
6	CSE	85.04	0.85	64.60	0.64	78.65	0.79	63.04	0.63

M. Tech

S.No	Branch	2015-16		2014-15		2013-14		2012-13	
		Pass %	Completion rate	Pass %	Completion rate	Pass %	Completion rate	Pass %	Completion rate
1	Structural Engineering	93.34	0.93	91.67	0.92	100	1.00	-	-
2	PE & ED	57.14	0.57	50	0.50	78.94	0.79	85.71	0.86
3	EPS	54.54	0.55	-	-	-	-	-	-
4	CAD/CAM	100	1.00	50	0.50	95	0.95	94.1	0.94
5	Machine Design	85.71	0.86	-	-	-	-	-	-
6	VLSI Design	100	1.00	85	0.85	100	1.00	85.71	0.86
7	DE & CS	60	0.60	100	1.00	92.3	0.92	100	1.00
8	Embedded Systems	91.66	0.92	76.47	0.76	64.7	0.65	76.92	0.77
9	CSE	100	1.00	36.1	0.36	82.8	0.83	100	1.00

10	Computer Science	66.66	0.67	75	0.75	80	0.80	-	-
11	Software Engineering	-	-	100	1.00	87.5	0.88	100	1.00

MBA & MCA

S.No	Branch	Pass %2015-16	Pass %2014-15	Pass %2013-14	Pass % 2012-13
1.	MBA	90.67	75.22	96.74	92.45
2.	MCA	96.7	93.96	92.45	93.33

CRITERION - III
RESEARCH, CONSULTANCY AND EXTENSION

3.1   Promotion of Research

In order to promote the research and development activities among teaching community of the institution, a Research & Development Cell has been established with a Dean to head the cell and guide the members of the cell and teachers to do research work. It is also to mention that the R&D Cell shall play a crucial role in creating the awareness about the research funding agencies and providing necessary guidelines to prepare the proposal in different themes. Periodic meeting will be held with Dean and Members of the R&D Cell. The call for proposal from various funding agencies is communicated to the department members. Co-ordinator and members of the cell provide necessary arrangements like supplying the enclosures and ensure the in time dispatch of the proposal. Through this organization structure, more than 183 proposals are submitted to various funding agencies and activities like DSIR recognition, recognition for Full time PhD programmes and CPE recognition from UGC are obtained.

The composition of the R&D Cell is as follows:
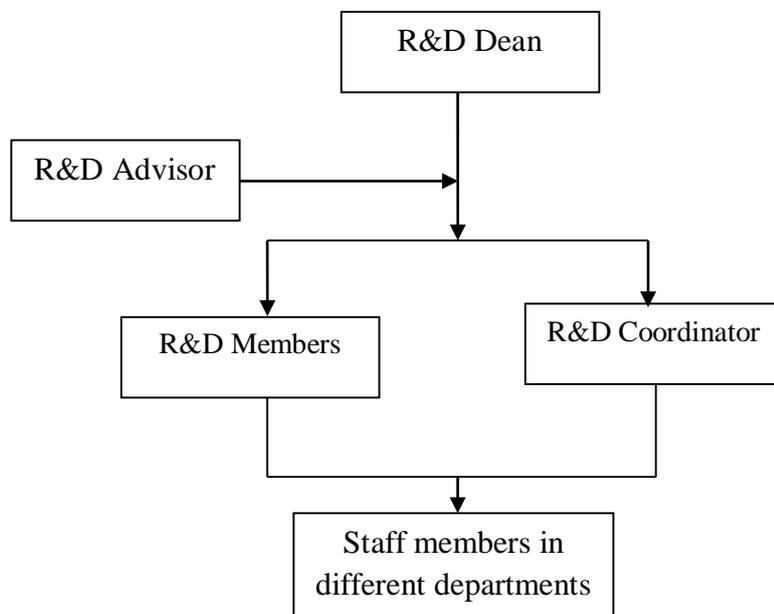
3.1.1   Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.
                        YES
The composition of college research committee is given below

S. No.	Name of the research committee members	Designation (R&D Cell)
1	Dr. K.L Narayana	Dean
2	Dr. K. Ravindranath	Advisor
3	Dr.A. Mahamani	Co-Ordinator
4	Dr. B. Damodhar Reddy	CE/Member
5	Mr. U. Vamsi Mohan	CE/Member
6	Dr.T.V.S.Ragavendra	ME/Member
7	Mr. M.Sivaramakrishnaiah	ME/Member
8	Dr. M. Vishnu Vardhan	EEE/Member
9	Mrs. M.Dharanisree	EEE/Member
10	S. Manasseh	ECE/Member
11	Dr. K. Lokesh Krishna	ECE/Member
12	Dr.T.Sunilkumar Reddy	CSE/Member
13	Mr. S. Muzamil Basha	CSE/Member
14	Dr. A. Sudharshan Reddy	HAS/Member
15	Dr. G. Bhaskar Kumar	HAS/Member
16	Dr. B. Vengala Rao	HAS/Member
17	Dr. Sivaram	HAS/Member
18	Dr. K. Komala	HAS/Member
19	Dr. G. Bhaskar	MBA/Member
20	Dr. B.Gunasekar	MBA/Member
21	A. M. Rangaraj	MCA/Member

The following are the recommendations of the committee:
HOD, Dean and co-ordinator of each department shall motivate and encourage the faculty to take research work seriously and utilize the opportunities provided by funding agencies.

- Efforts must be made to increase the number of research publications
- To periodically review the progress of research and offer necessary guidance whenever required.
- Regularly monitoring and assessing the progress of sponsored research projects.
- Periodic conduction of workshops on research funding awareness , guidelines to write research proposal and research article writing
- Recommend to purchase the e journals for all the departments
- Recommend to apply infrastructure grants to strengthen the overall research facility
- Recommended to apply for recognition for Full time Ph.D. programmes

Impact of the recommendations:

- The Institution encourages research and development. During the last three years, 29 Faculty registered for Ph. D and 7 Obtained Ph. D.
- Senior Faculty members are recognized as Research Supervisors by the university.
- Majority of our faculty have National and International Publications.
- During the last three years, 504 papers have been published in National and International Journals of repute.
- During the last three years, 318 papers have been presented in National and International Conferences.
- During the last three years, faculty members have applied for 8 patents.

- Recognition for Full time Ph.D programmes that enables to get manpower to do the research
- E journal access for all departments as well as themes

Following are the research projects sponsored by various funding agencies:

S. No.	Name & Department	Title of the Project	Amount (Rs in Lakhs)	Funding Agency & Scheme	Status
1	Dr. G. Bhaskar Kumar, Physics	An Investigation for Potential Single Phased Emission Tunable Nano-Phosphors for White Light Emitting diode applications (2014-2017)	33.41	DST-YS	On going
2	Dr. J. Janet,CSE	Optimizing data movement in cloud computing (2014-2017)	30.24	DST-YS	On going
3	Dr. D. Krishna Mohan Raju, ME	Design and development of efficient cooking stove(2014-2016)	1.00	UGC-Minor	On going
4	Prof. M. Mohan Babu,CE	Rural Women Technology Park in Puthalapattu Mandal (Mutirevula Village), Chittoor District, Andhra Pradesh. (2014-2017)	82.50	DST-SEED	On going
5	Ms. Dharanisree, EEE	Enhancement of real-time power analysis and control for distributed generation interface using FPGA.(2015-2018)	22.82	DST-WOS-A	On going
6	Dr.A.Mahamani, ME	Grindability studies on AA6061-TiB2/ZrB2 in-situ composites (2015-2018)	31.46	DST-YS	On going
7	D.D. Devisasikala, ECE	Realization of Chaotic Dynamical Systems on Field Programmable Gate Arrays (FPGAs) and Application to Secure Communications (2015-2018)	21.40	DST-WOS-A	On going
8	Dr.K.Ravindranath, ME	Experimental investigation on conventional and semi-adiabatic Diesel engine using bio diesel as fuel (2015-17)	8.44	UGC-Emeritus Fellowship Scheme	On going
9	Dr .A.Mahamani, ME	Influence of macro, micro and nano size reinforcement on machinability behavior of the AA6061-AlN composites(2016-18)	28.20	UGC-Research award scheme	Sanctioned

10	Dr.G.Bhaskar, MBA	A Study on psychological attributes relating to social networking use among the college students of Andhra Pradesh	14.94	DST-CSRI	Sanctioned
11	HimaBindu G B	Energy and QoS Management in Cloud Computing Environment	19.85	DST-WOS-A	Sanctioned
12	S.Preethi,ME	Studies on drilling of AA6061-TiC in-situ composites	1.5	UGC-Minor	Sanctioned
13	Dr.M.Vishnuvardhan,EEE	Enhanced neuro fuzzy controller based UPQC	3.95	UGC-Minor	Sanctioned

Other Grants Received

S.No.	Details of the schemes	Name of the PI	Amount (Lakhs)	Funding Agency	Sanctioned date
1	IIPC-ECE	Dr.G.SuryaNarayanaReddy	7.0	AICTE	31-03-2011
2	SDP-CSE	Prof.P.Neelakantan	5.49	AICTE	13-01-2012
3	SDP-Civil	J.Gurujawahar	7.0	AICTE	13-01-2012
4	MODROBS ME-PT Lab	Prof.D.Krishna Mohan Raju	8.0	AICTE	05-03-2012
5	MODROBS EEE-EM Lab	Prof.K.Eswaramma	8.0	AICTE	05-03-2012
6	MODROBS ME-CAD/CAM Lab	Prof.D.Krishna Mohan Raju	13.8	AICTE	17-07-2013
7	MODROBS ECE-AC Lab	Mr.Sudhakara Reddy	17.8	AICTE	17-07-2013
8	STTP-ECE	Prof.C.Chandrasekhar	1.0	ISTE-SRM	23-09-2013
9	FDP-ECE	Mr.Sudhakara Reddy	6.0	AICTE	18-11-2014
10	NC-ECE	Mr.Sudhakara Reddy	1.0	DST-SERB	05-12-2014
11	SG-CSE	Dr.G.Janet	1.25	DST-SERB	02-01-2015
12	NC-EEE	Mr.C.B.Saravanan	1.0	DST-SERB	02-03-2015
13	SG-EEE	Mr.K.R.Vadivelu	1.0	DST-SERB	14-10-2015
14	Travel grant-ECE	Prof.C.Chandrasekhar	0.68	UGC	22-09-2015
15	SG-CSE	Dr.G.Janet	1.0	DST-SERB	24-09-2015
16	STTP-ECE	Mr.ShobanBabu	6.0	DST-BDI	28-12-2015
17	FDP-MBA	Dr.G.Bhaskar	2.48	DST-NIMAT	10-02-2016
18	FDP-CSE	Dr.G.Janet	1.0	DST-SERB	26-02-2016
19	SG-ME	Dr.A.Mahamani	1.0	DST-SERB	17-07-2016

3.1.2 What is the policy of the College to promote research culture in the College?

- The College provides laboratory, library/e-journal, internet and department wise R & D center to the faculty for research work.
- The College organizes International / National Workshops / Seminars / Conferences faculty will be provided with duty leave, TA / DA to the faculty members to attend / participate in Workshops / Seminars / Conferences.
- Ph.D. registrations are encouraged by giving special leave as and when required for research progression.

- All the faculty members have been provided computer individually to carry out research activity.
- The faculty members are encouraged to submit research proposals for financial support to different funding agencies (UGC/DST/AICTE etc.)
- Encouraging faculty with Master's degree to register for Ph.D. and involve in research activities.
- The faculty can work beyond college timings also.

Grant applied from JUNE 2015 to till date

| Departments | Applied (June 2015 to Till date) | | | | | | | | | | | | | UGC | ICSSR | TOTAL |
| | DST | | | | | | | | | | | | | MRP | Social | |
	WOS-A	YS	TSDB	cooling	Clean energy	NCSTC	Cognitive	SEED	SYST	ECR	TIDE	SATYAM	TOTAL			
Civil	-	-	-	-	-	1	-	-					1	7	-	8
EEE	1	-	-	-	1	-	-		19				21	22	-	43
ME	-	-	2	2	1	-	-	1	6		1	1	14	19	-	33
ECE	1	-	-	-	-	-	-	-	14		1		16	22	0	38
CSE	1	-	-	-	-	-	1	-	7	1			10	24	-	34
HAS		1	-	-	-	-	-	-		1			2	3	0	5
MCA	-	-	-	-	-	-	-	-					0	6	0	6
MBA		-	-	-	-	-	1	-				1	2	13	1	16
Total	3	1	2	2	2	1	2	1	46	2	2	2	66	116	1	183

3.1.3 List of details of prioritized research areas and the areas of expertise available with the College.

List of research areas

Department	Research areas	Expertise
Civil Engineering	Structures, Transportation, Geotechnical, Hydrology, Fluid Mechanics, Environmental	Fracture Mechanics, Soil Structure interaction, Soil stabilization.
Electrical and Electronics Engineering	Power Quality, Power Systems, High Voltage Engineering, Control Systems, Power Electronics and Drives	Power Quality, Control Systems, Power Electronics, Power System protection
Mechanical Engineering	Manufacturing and material science	Synthesis, characterization, mechanical and mach inability studies on composites
Electronics and communication Engineering	Image processing, Turbo codes, Speech Processing, Satellite communication, ImageProcessing, Phased array antennas, image and video processing, speech-processing and signal processing.	Image Processing, Satellite Communication, Design of phased array antennas using CST simulation software, Signal processing applications

Computer Science and Engineering	Image Processing, Cryptography Bioinformatics, Network Security, DataMining, Wireless Sensor Networks, Embedded System	Image Processing, Bioinformatics, Identity Based Cryptography, Visual Cryptography, Embedded System
Information Technology	Information Security, Software Engineering, Text Mining, Digital Image Processing	Information Security, Software Engineering, Document Clustering, Digital Image Processing
Mathematics	Algebra, Graph Theory. Differential Equations, Mathematical Modeling,	Algebra , Operations Research, Numerical methods, Real Analysis, Lattice Theory
Physics	Solid State Physics, Nuclear Physics, Spectroscopy, Ultrasonics, Nanotechnology and Glass Science	Glassy Materials
Chemistry	Synthetic Organic Chemistry, Organo metallic chemistry, Physical chemistry, Heterocyclic chemistry, Environmental chemistry, Oils and fats, Analytical chemistry, Medicinal Chemistry.	Flavanoids, Chalcones, Medicinal chemistry, Water and soil, pollution, Liquid crystals, Natural products, Biological activity studies, Study of molecular interactions- ternary liquids.

3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects? Advancing funds for sanctioned projects

The funding organizations release the first installment amount along with project sanction order. Investigation starts as soon as the sanction order is received. Hence, advancing of funds for any project does not arise. In case of any delay (or) half way through, advances will be sanctioned till the pending grants are received.

- **Providing seed money**
  The seed money will be provided by the Institute based on the request for emerging technologies. Free flight tickets will be provided to attend the interface meeting / discussion if their project proposal is shortlisted.

- **Autonomy to the principal investigator/coordinator for utilizing overhead charges**
  Principal investigator/coordinator is free to utilize "Institutional over head component" of that particular project with the approval of the Principal.

- **Timely release of grants**
  College level research monitoring committee monitors and initiates corrective actions for the timely completion of the projects and in turn reports to funding agencies. Hence, release of funds from funding organizations is possible without any delay.

- **Timely auditing**
  The coordinator of the research & development cell, finance officer and audit team of the Institute will conduct the timely audits.

- **Submission of utilization certificate to the funding authorities**
  The coordinator of the research & development cell will coordinate with the Principal investigator and the finance officer for timely submission of Utilization certificate to funding agency.

3.1.5 How is interdisciplinary research promoted?

- Between/among different departments of the College

The Institute encourages faculty and students of all departments to take active role for collaborative research in the Interdisciplinary areas. The students have full freedom to approach faculty and research labs of any department regarding research work and support. Expertise in interdisciplinary areas and existing facilities from each department will be made available to the final year students by offering open elective which in turn helps the students to select inter disciplinary project. Numbers of collaborative research project proposals are prepared and applied. Centre for Materials Development and Testing (ME, Civil and Physics) is applied through the DST-FIST, a proposal "Big data enabled supply chain (ME and CSE)" applied to DST under Big Data Initiative Scheme and a proposal "Ergonomics kitchen and dining for elderly and differently abled people (ME-SVCET & Nursing SVCON)" is applied to DST under TIDE scheme.

- **Collaboration with national/international institutes / industries.**
  The institute has collaborative facilities with the following institutes / industries
- ➢ IBM Center of Excellence.
- ➢ Microsoft Innovation Center (MIC)
- ➢ Infosys Campus Connect Programme (Advanced Partner College).
- ➢ Sun Academic Initiative (SAI) School.
- ➢ Jawahar Knowledge Centre – Star status.
- ➢ Microsoft dream spark campus.
- ➢ MoU with SAP India Pvt Ltd.
- ➢ MoU with University of Massachusetts, Lowell, USA
- ➢ MoU with Royal Civil Service Commission (RCSC), Thimphu, Bhutan.
- ➢ MoU with Oracle academy for advanced Computer Science programme
- ➢ Member of Indo – US Collaboration for Engineering Education (IUCEE).

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

The college regularly organizes guest lectures and the departments are always encouraged to organize Seminars, Conferences and Workshops. Eminent professors are invited from premier institutions, research organizations and universities and industries as resource persons for these Workshops, Conferences and for delivering guest lectures. The following eminent professors and researchers have visited the college and shared their research experience with teachers and students of this college.

Table 3.4: List of Eminent Professors who visited the college during the last four years

Department	Number of Eminent
CE	05
EEE	13
ME	04
ECE	21
CSE	06
IT	03

3.1.7 What percentage of faculty has utilized sabbatical leave for research activities? How does the provision contributed to the research quality and culture of the College?

11.42 % faculty members are utilizing the (sabbatical leave) special casual leaves for their course work preparation, attending the review meeting, research methodology workshop literature collection, experimental investigation and thesis preparation work of the Ph.D.

Sabbatical leave facility is not available in the college, however prospective candidates are encouraged to complete their Ph.Ds by providing them with 3 - 6 months leave with pay. All faculties who registered for Ph.D with various universities are allowed to meet their guides from time to time by granting leaves. Principal investigators of the ongoing projects and Professors are availing the special leaves to carry out their research activities.

This provision

- Motivate the faculty to go for higher studies (Ph.D)
- Produce the good publications by interacting with research labs and eminent researchers
- Guide the under graduate, post graduate and PhD thesis
- Applying research proposal to various funding agencies
- Establish the research centre with state of art facilities

3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

National conferences organized by the College

S.No	Date(s)	Dept	Name of the Event	Name of the Resource person
1.	2016	CE	Srasta 2K16, One Day National Level Symposium	Dr.B.Damodhara Reddy, organized by the College
2.	2017	CE	Pre Employment Training	Dr.B.Damodhara Reddy, organized by the College
3.	25.02.2013	EEE	I Technofest 2k13 (2012-2013)	Dr. G. V. Marutheeswar, Professor, Dept of EEE, College of Engineering, S.V. University, Tirupathi, AP
4.	21st – 22nd January - 2016	EEE	A two day national seminar on "Overview of Electric Power Sector-Generation, Transmission & Distrubution"	K.R.Vadivelu funded by DST-SERB

5.	9th -10th September, 2016	EEE	A two day national workshop on "Energy Conservation and Auditing".	P.R.Murali Mohan funded by DST-SERB
6.	15 Oct 2016	ME	National level seminar on Mach inability behavior of aluminum matrix composite	Dr. Mahamani organized by the college
7.	22-23 Oct 2016	ME	Two days Workshop on Computation Fluid Dynamics, svcet, Chittoor	Mr.Kadheer ahmad and Mr.Harish, organized by the college
8.	28-29 Dec 2016	ME	One Day national level workshop on 3D PRINTING	Mr.Venkatakrishna and Mr.Gangireddy, organized by the college
9.	28 Dec 2016	ME	Online Webinar on Advanced AutoCAD	Mr. M.Sivaramakrishnaiah, organized by the college
10.	23 Jan 2017	ME	Online Webinar on CATIA	Mr. M.Sivaramakrishnaiah, organized by the college
11.	13-14 th July 2016	ME	Two day workshop on Entrepreneur ship orientation program	Dr.TVS RaghavendraRao, organized by the college
12.	6 Days, 15/09/2016 to 20/09/2016	ME	Training program - CAD/CAE (AutoCAD Inventor) Software Training	Mr. M.Sivaramkrishnaiah, organized by the college
13.	19.12.2015	ME	Recent advances in mechanical engineering 2k15	Dr.Padmanaban Director & Professor (Director, Institute of Science and Technology (IST)), Department of Mechanical Engineering JNTU, Kakinada
14.	03.10.2015	MCA	One day workshop on Recent Trends in Web-Technology	B Murali Krishna, Senior software Engineer, igates, Bangalore.

15.	28th April, 2015 To 29th April, 2015	CSE	DST-SERB Sponsored National Seminar on " Cloud Computing and Big data "	Dr P Venkata Krishna,Professor & Head,
16.	2nd April, 2014	CSE	National Conference on "Recent Trends in advanced Computing"	Dr P Shanthini Professor & head ,Dept of IT, St Peters Engineering College, Chennai
17.	2016-17	MBA	Guest Lecture on "Business Marketing"	Mr.Srinivas Uppala Vice President Sonata Software Pvt, Bangalore
18.	2016	MBA	Guest Lecture on "Business Marketing"	Mr.Srinivas Uppala Vice President Sonata Software Pvt, Bangalore
19.	2016	MBA	Guest Lecture on "What do you need to be an entrepreneur and how do entrepreneurs handle failure"	Renuka Aradhya N Management director Private cabs Pvt Ltd, Bangalore
20.	2016	MBA	Guest Lecture on "Options strategies in derivatives market and Greek letters"	Dr. Srinivasulu Reddy, Professor, Department of Management studies, S.V.University, Tirupati.
21.	2016	MBA	Guest Lecture on "Case study analysis and case writing"	Prof. Vijaya sarathy, (Rtd Professor, IIM, Bangalore) and Executive director, Dayananda Sagar University, Bangalore.
22.	2016	MBA	Guest Lecture on "Stimulating Entrepreneurship and Seizing the opportunities in technology enabled Agri Business"	Dr. G.N.S. Reddy, Managing Director and Mr. Shashi Kumar, CEO, Akshayakalpa Farms and Foods Ltd.
23.	2016	MBA	Guest Lecture on "Stimulating Entrepreneurship and Seizing the opportunities in technology	Mr. Shashi Kumar, CEO, Akshayakalpa Farms and Foods Ltd

			enabled Agri Business"	
24.	2016	MBA	Workshop on "Research Methodology"	Dr. K.V.Ramanathan, Professor, Ramaiah Institute of Management Bangalore
25.	2016	MBA	Guest Lecture on "Human Resource Strategies in Corporate – A Practical solution for Budding Human Resource Managers"	Mr.J.Shreedhar, Senior Manager, and Karvy Computer share Pvt Ltd, Bangalore, India
26.	2016	MBA	Guest Lecture on "HR related issues"	Mr. G.Ganesh, Chief Factory Manager, Coca Cola India Private Ltd
27.	2016	MBA	Guest Lecture on "Case Analysis and Writing"	Prof. R. K. Vijaya Sarathy, Director & Senior Professor in Dayananda Sagar Business School, Bangalore

3.1.9 **Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the Community (lab to land).**

In the funded projects, as far as possible institution is involving M.Tech students.

The Department of Civil Engineering provided technical expertise for the following projects.

- Testing of materials and soil for Irrigation, R&B, Panchayat Raj Departments.
- NDT Test for buildings and elevated water tanks.
- Structural design of buildings and community halls.

3.1.10 **Give details on the faculty actively involved in research (Guidingstudent research, leading research projects, engaged in individual or collaborative research activity etc.)**

S.No	Name of the faculty	Dept.	No. of Students Registered (Ph.D)	No. of Students awarded (Ph.D)	Heading R & D Projects
1	Dr. B. Kotaiah	CE	16	11	Chromium Removal from Industrial Effluents
2	Dr A.V.Narashima Rao	CE	4	4	Geothermal Engineering
3	Dr. M. Muralidhar	EEE	6	2	Electrical Engineering &Instrumentation& Control Systems
4	Dr. C. Narayana Reddy	EEE	-	3	High Voltage Engineering
5	Dr.Oleti Venkatakrishnaiah Chetty	ME	1	12	Manufacturing, Industrial Engg, Management

6	Dr. K.L. Narayana	ME	-	4	Physical and thermal properties of bentonite bonded sands
7	Dr. U. Harinath	ME	-	1	Manufacturing Engineering
8	Dr. K. Ravindranath	ME	2	14	Mechinical Engineering
9	Dr. A. Mahamani	ME	4	-	Mechinical Engineering
10	Dr. J. Janet	CSE	4	4	Knowledge based Systems (Computer Science Engineering)
11	E.Lokanatha Reddy	MBA	-	1	Economics
12	Dr.N.Giribabu	MBA	-	1	Scientific management
13	Dr.G.Bhaskar	MBA	-	1	Marketing

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 for last four years.

For R & D activities Institutional Fund got allocation from the college Budget. The college provides:

- Budget to develop the labs and purchase equipment if required for the projects sponsored by external agencies and also to organize National and international level faculty development programmes, seminars, workshops etc.
- Budget for purchasing latest version of software package necessary to carryout research project.
- Text books Reference books, Journals, and Hand books on advanced topics are available in the college library for the use of faculty and students to carry out their research activities. Digital library is also available for the faculty and students

3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

The college provides the financial support to the students in the following area.

- Travel Grants-In-Aid support for students who win prizes in regional, national and international conferences
- Free Internet facility in the campus.
- Free E-Journals and digital library facility

3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

YES

For all sponsored workshops, seminars from funding agencies, seed money will be provided by the college. Free flight tickets will be provided to attend the interface meeting / discussion if their project proposal is shortlisted.

3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.

YES

D.Krishna Mohan Raju

PATENT RECEIVED FOR A NOVEL INVENTION:
"A Rotary Piston Engine" Patent No.: D-CHE/0612, Patent granted on 16-6-2006.
Patent Application No. :201003 (242/MAS/1998), dated on 06-02-1998.
The salient features of this Rotary Piston Engine are Compactness, Less weight and Less Parts compared to the conventional I.C. Engine.

3.2.5 Provide the following details of ongoing research projects:

	Yearwise	Number	Name of the Project	Name of the Funding agency/ Industry	Totalgrant received (Rs. inLakh)
A. College funded					
--	--	--	--	--	--
B. Other agencies - national and international (specify)					
Minor projects	2014-16	F.MRP-4593/14	Design and fabrication of efficient cooking stove	UGC minor research project	1.00
Major projects	2011-13	8023/RID/RPS-9696/2011-12	Superconducting Quantum interference device Development & data acquisition by distributed sensor network	AICTE-RPS	5.50
	2012-15	SR/WOS-A/ET-27/2012(G)	Modeling and analysis of solar desalination unit- 3 years (2012-2015)	Women Scientist Scheme(WOS-A), Department of Science and Technology	20.20
	2014-16	SR/WOS-A/ET-86/2012(G)	Enabling geographically distributed cloud applications	Women Scientist Scheme(WOS-A), Department of Science and Technology	22.70
	2014-16	SB/FTP/ETA-0319/2013	An Investigation for a Potential Single-Phased Emission Tunable Nano phosphors for White Light Emitting Diode Applications	Young Scientists – SERB-DST – Engineering Sciences (Fast track scheme)	**33.41**

	2014-17	SB/FTP/ETA-0242/2013	Optimizing data movement in cloud computing	SERB-DST – Engineering Sciences (Fast track scheme)	**30.24**
	2014-16	F.MRP-4593/14(MRP/UGC-SERO)	Design and development of efficient cooking stove	UGC-Minor project	**1.00**
	2014-17	SEED/WTP/011/2014	Rural Women Technology Park in Puthalapattu Mandal (Mutirevula Village), Chittoor District, Andhra Pradesh. (2014-2017)	DST-SEED	**82.50**
Major projects	2015-18	SR/WOS-A/ET-102/2013(G)	Enhancement of real-time power analysis and control for distributed generation interface using FPGA.(2015-2018)	Women Scientist Scheme(WOS-A), Department of Science and Technology	**22.82**
	2015-18	SB/FTP/ETA-0190/2014	Grindability studies on AA6061-TiB2/ZrB2 in-situ composites (2015-2018)	SERB-DST – Engineering Sciences (Fast track scheme	**31.46**
	2015-18	SR/WOS-A/ET-1089/2014(G)	Realization of Chaotic Dynamical Systems on Field Programmable Gate Arrays (FPGAs) and Application to Secure communications (2015-2018)	Women Scientist Scheme(WOS-A), Department of Science and Technology	**21.40**
	2015-17	F.6-6/2015-17/EMERITUS-2015-17-GEN-6728/(SA-II)	Experimental investigation on conventional and semi-adiabatic Diesel engine using bio diesel as fuel(2015-17)	UGC-Emeritus Fellowship Scheme	**8.44**
	2016-18	F.30-68/2016(SA-II)	Influence of macro, micro and nano size reinforcement on machinability behavior of the AA6061-AlN composites (2016-18)	UGC-Research award scheme	**28.20**

	2016-18	SR/CSRI/13/2015(C)	A Study on psychological attributes relating to social networking use among the college students of Andhra Pradesh (2016-2019)	DST-CSRI	**14.94**
Major projects	2016-19	SR/WOS-A/ET-1076/2015 (G)	Energy and QoS Management in Cloud Computing Environment (2016-2019)	Women Scientist Scheme(WOS-A), Department of Science and Technology	**19.85**
	2016-18	F.No..4-4/2015-16(MRP/UGC/SERO)/2447	Studies on drilling of AA6061-TiC in-situ composites	UGC-Minor Research project	**1.5**
	2016-18	F.No..4-4/2015-16(MRP/UGC/SERO)/2935	Enhanced neuro fuzzy controller based UPQC	UGC-Minor Research project	**3.95**
C. Industry sponsored	Nil	Nil	Nil	Nil	Nil

3.2.6 **How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.**

Our college has more than 3.10 crores worth of research projects
Departments i.e. Civil, Physics, Chemistry, ECE, ME, EEE and CSE of the college have been recognized for their research activities by UGC, DST, AICTE, and DRDO.
Research center status granted for 5 Departments under Jawaharlal Nehru Technological University, Ananthapuramu namely EEE, ECE, ME, MBA & Physics.

The following are the significant outcomes due to the research work:
- Research environment in the college has been improved because of these research activities.
- Laboratories in the advanced areas of research are also established.
- Research scholars and students have got the benefit of utilizing these labs.

3.2.7 **List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).**

AICTE/Modrobs and Seminar Grants received and completed.

S. No	Name of the Research Project	Principal Investigator	Project Grant (in Lakhs)	Funding Agency
1	Superconducting quantum interference device development & data acquisition by distributed sensor network (2012-2014)	Dr.G. Suryanarayana Reddy, ECE	05.50	AICTE/RPS
2	Modeling and analysis of solar desalination unit (2012-2015)	Mrs. C. UmaMaheswari, ME	20.20	DST-WOS-A
3	Enabling geographically distributed cloud applications (2013-2016)	Mrs. P. Jyotheeswari, CSE	22.70	DST-WOS-A

3.3 Research Facilities

3.3.1 What efforts are made by the College to keep pace with the Infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

Following are the research facilities provided

a. College provides well established infrastructural facilities to all departments where modern computers with internet and latest soft wares have been installed.
b. Five departments have established research centers.
c. College has digital library with highspeed Internet and access to many National and International journals.
d. Large number of and magazines are subscribed apart from the e journal facilities.

3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

YES

a. Central Library is housed in a spacious building with a Carpet area of 930.23 sq meters. It has a collection of 57600 volumes with 8743 titles, related to all the branches of Science and Engineering. A large number of National and International journals and magazines are subscribed. Special volumes like Handbooks, Standard books, Manuals, Encyclopedias, Technical reports, ISTE Learning Materials, Project Reports, periodicals, Non-Book materials and Conference Proceedings back volumes of journals (160), online journals (235) are also available to the students and teachers. Database is DELNET & Digital library service is also available.
b. All Departments have established libraries and specialized laboratories to provide information to the research scholars.
c. Research and development cell also support the needs of research scholars.

3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?

YES

The Institution has separate Research cell with Computer and Internet facilities.

3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

YES

All departments have received the recognition for the Ph.D. full time admission from the Jawaharlal Nehru Technological University Anantapur, Ananthapuramu. College has a specialized research centre at institutional level i.e Microsoft Innovative center.

3.3.5 **Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

YES

The college has research facilities in different departments which are used by the researchers / scholars from outside the college. The departments of Mechanical Engineering, CSE and Civil Engineering have research centers with projects sanctioned by AICTE, UGC and DST. Many research scholars are making use of these facilities.

3.4 Research Publications and awards

3.4.1 **Highlight the major research achievements of the College through the following:**

❖ Major papers presented in regional, national and international conferences by the departmental faculty last five years.

Department	IJ	IC	NJ	NC
CE	60	53	49	67
EEE	124	52	16	32
ME	113	64	39	68
ECE	123	25	06	30
CSE	136	20	09	68
IT	03	04	20	15
MBA	43	30	22	74
MCA	05	17	10	25
HAS	92	41	04	86

Details are furnished in Annexure III, IV & V.

❖ **Faculty servicing on editorial boards for national & international journals**

Sl. No	Name of the Staff Member	International	National
1	Dr. J. Janet	1	1
2	Dr. Mahamani	1	

❖ **Faculty members on the organization committees of international conferences, Workshops recognized by reputed organizations / societies**

Number of staff members	International	National
30	28	54

(Details are furnished in Annexure – III)

3.4.2 **Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?**

NO

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

❖ Number of papers published in Journals for the last five years
   (National / International) : 175 / 699
❖ Total Number of papers published per department in journals for the last five years (National / International): 874

S. No	Department	Papers published
1.	Civil Engineering	109
2.	Electrical & Electronics Engineering	140
3.	Mechanical Engineering	152
4.	Electronics & Communication Engineering	129
5.	Computer Science & Engineering	145
6.	Information Technology	23
7.	MBA	65
8.	MCA	15
9.	Humanities and Sciences	96
TOTAL		**874**

Monographs   :   NIL
Chapters in books   :   04
Editing books   :   NIL

Books with ISBN numbers

Sl. No	Dept	Name of the Staff Member	Title of the book	ISBN number & Publisher
1	CSE	Dr. J. Janet	Lossless compression techniques for medical images in telemedicine	978-953-307-159-6 & Intech Austria
2	ME	Dr. K. L. Narayana	Text book on Engineering Drawing, JNTU version	Premier Publishing House
3	ME	Dr. K.L. Narayana	First year Engineering drawing	Premier Publishing House, Hyderabad
4	ME	Dr. K.L. Narayana	Machine drawing – a text book	Premier Publishing House
5	ME	Dr. K.L. Narayana	Metrology	Scitech Publishers
6	ME	Dr. K.L. Narayana	Production Technology	IK international Publishers
7	ME	Dr. K.L. Narayana	Production Drawing	978-81-2242-288-7 & New Age International Publishers
8	ME	Dr. K.L. Narayana	Machine drawing	Wiley Eastern Limited
9	ME	Dr. K.L. Narayana	Engineering Graphics -	818-84-2984-8 & Scitech Publishers
10	ME	Dr. K.L. Narayana	Engineering Drawing -	978-81-8371-422-8 & Scitech Publishers
11	ME	Dr. K.L. Narayana	Workshop Manual	978-81-8371-647-3 & Scitech Publishers
12	ME	Mr.R.Suresh	Machine drawing	Falcon Publishers
13	ME	Mr.R.Rajesh	Machine drawing	Falcon Publishers

14	CE	Dr.C.Venkataramaiah Dr.A.V.Narasimha Rao	Engineering Mechanics, Strength of Materials and Elements of Structural Analysis	CBS Publishers & Distributors, New Delhi.
15	CE	Dr.A.V.Narasimha Rao	Fundamentals of Soil Mechanics	University Science Press, New Delhi.
16	CE	Dr.A.V.Narasimha Rao	Numerical Problems, Examples and Objective Questions in Geotechnical Engineering	University Press India Ltd, Hyderabad
17	CE	Dr. B. Kotaiah	Land Disposal of Liquid wastes.	IBT Publishers & Distributiors, Delhi,1987
18	CE	Dr. B. Kotaiah	Environmental Engineering Laboratory Manual (in press).	Chatoter Publishing House, Anand (India), 1994.

- Number listed in International Database (For *e.g*. Web of Science, Scopus,
- Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):-

S.No	Dept.	Name of the Staff Member	Google Scholar	Scopus
1.	CE	Dr. B. Kotaiah	20	8
2.	CE	Dr. A. V. Narashima Rao	22	9
3.	CE	Prof. M. Mohan Babu	8	
4.	CE	Dr. S. Venkateswara Rao	4	
5.	CE	Dr. B. Damodhara Reddy	5	
6.	EEE	Dr. M. Muralidhar	18	5
7.	EEE	Prof. K.Eswaramma	8	
8.	EEE	Mr. P. R. Murali Mohan	2	
9.	EEE	Dr. Sasikala	8	
10.	EEE	M. Vishnuvardan	5	
11.	EEE	Dr. C. Narayana Reddy	8	4
12.	EEE	Y. N. Vijayakumar	3	
13.	ME	Dr. U. Harinath	14	
14.	ME	Prof. D. Krishna Mohan Raju	5	
15.	ME	Dr. C. Vijaya Baskar Reddy	11	1
16.	ME	Dr. A. Mahamani	28	7
17.	ME	Smt. C.Umamaheswari	2	1
18.	ME	Dr. K.Ravindranath	12	5
19.	ME	Dr. K.L.Narayana	22	6
20.	ME	Dr. O. V. Krishnaiah Chetty	20	6
21.	ECE	Dr. Suman Mishra	8	2
22.	ECE	Mr. K Lokesh Krishna	3	
23.	ECE	Mr. S Murali Mohan	7	1
24.	ECE	Prof. A.S.N.Murthy	10	
25.	ECE	Prof. Y. Murali Mohan Babu	9	2
26.	ECE	Mr. S. Manasseh	3	
27.	ECE	Dr. M Sudhakar Reddy	10	2

28.	CSE	Dr. J.Janet	12	1
29.	CSE	Mr. K Thyagarajan	3	
30.	CSE	Mr. P Jyotheeswari	3	
31.	CSE	Mr. J. Velmurugan	3	
32.	CSE	Mr. S Vasu	2	
33.	HAS	Mr. A.Sudharsan Reddy	3	
34.	HAS	Dr. P.Venkateswarlu	16	5
35.	HAS	Dr. G.Bhaskar Kumar	8	2
36.	HAS	Dr. B.Shivram	7	1
37.	HAS	Mr. K.Komala	8	1
38.	HAS	Dr. P. Subramanyam Reddy	15	5
39.	HAS	Dr. E. Lokanadha Reddy	7	1

Citation Index – range / average:

*SNIP : NIL

*SJR : NIL

❖ **Impact factor-range/average:**

S.No	Dept.	Name of the Staff Member	Impact factor-range/average
1.	CE	Dr. B. Kotaiah	2.59
2.	CE	Dr. A. V. Narashima Rao	2.68
3.	CE	Prof. M. Mohan Babu	0.9
4.	CE	Dr. S. Venkateswara Rao	1.7
5.	CE	Dr. B. Damodhara Reddy	1.6
6.	EEE	Dr. M. Muralidhar	2.5
7.	EEE	Prof. K. Eswaramma	0.98
8.	EEE	Mr. P. R. Murali Mohan	0.7
9.	EEE	Dr. Sasikala	1.28
10.	EEE	Mr. M. Vishnuvardan	1.2
11.	EEE	Dr. C. Narayana Reddy	2.5
12.	EEE	Mr. Y. N. Vijayakumar	0.8
13.	ME	Dr. U. Harinath	1.69
14.	ME	Prof. D. Krishna Mohan Raju	0.92
15.	ME	Dr. C. Vijaya Baskar Reddy	1.4
16.	ME	Dr. A.Mahamani	0.9
17.	ME	Smt. C.Umamaheswari	0.8
18.	ME	Dr. K.Ravindranath	2.13
19.	ME	Dr. K.L.Narayana	2.02
20.	ME	Dr. O.Venkatakrishnaiah Chetty	2.01
21.	ECE	Dr. Suman Mishra	0.93
22.	ECE	Dr.G. Suryanarayana Reddy	0.8
23.	ECE	Mr. K Lokesh Krishna	0.8
24.	ECE	Mr. S Murali Mohan	0.91
25.	ECE	Prof. A.S.N.Murthy	1.2
26.	ECE	Y.Muralimohan babu	0.92
27.	ECE	Dr. M Sudhakar Reddy	2.10
28.	CSE	Dr. J. Janet	1.57
29.	CSE	Mr. K Thyagarajan	0.74
30.	CSE	Ms. P Jyotheeswari	0.72
31.	CSE	Mr. J.Velmurugan	0.78

32.	CSE	Mr. S Vasu	0.7
33.	HAS	Mr. A.Sudarsan Reddy	0.8
34.	HAS	Dr. P.Venkateswarlu	1.89
35.	HAS	Dr. Bhaskar Kumar.G	1.52
36.	HAS	Dr. B. Shivram	0.8
37.	HAS	Ms. K.Komala	0.98
38.	HAS	Dr. P.Subramanyam Reddy	1.98
39.	HAS	Dr. E.Lokanadha Reddy	1.54

3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.

S.No.	Name of the Staff Member	No.of students awarded (M.Phil)	No.of students awarded (Ph.D)
1	Dr. M. Muralidhar	-	6
2	Dr. J. Janet	-	4
3	Dr. P. Venkateswarlu	-	16
4	Dr. O.Venkatakrishnaiah Chetty	-	12
5	Dr. U. Harnath	-	1
6	Dr. K. L. Narayana	-	4
7	Dr. B. Kotaiah	-	11
9	Dr. A.V. Narashima Rao	-	4
10	Dr. T.V.K. Reddy	-	06
11	Dr. K. Ravindranath	-	15

3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

The college is against malpractices, misconduct and plagiarism on the part of the researchers. All the thesis supervisors are instructed to check plagiarism before submitted to thesis. The research proposals are also ensured the zero plagiarism before submitting to the funding agencies. Anti – plagiarism is also introduced and the research articles are thoroughly scrutinized for originality auditing.

3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavour.

YES

The Departments are always encouraged to conduct workshops, conferences and guest lecturers in the common areas of interest. Faculty members of different departments are also encouraged to apply for Sponsored Projects in their common areas of interest. Some of the faculty members, as part of their research, associate with other department faculty members and publish papers. The departments also encourage the students to participate in training programmes/paper presentations in the common areas of interest that are being organized by both industry and academia. Thus, highest emphasis is placed on interdisciplinary research.

Centre for Materials Development and Testing (ME,Civil and Physics) is applied through the DST-FIST, a proposal "Big data enabled supply chain (ME and CSE)"

applied to DST under Big Data Initiative Scheme and a proposal "Ergonomics kitchen and dining for elderly and differently abled people (ME-SVCET & Nursing SVCON)" is applied to DST under TIDE scheme.

3.4.7 Mention the research awards instituted by the College.

The faculty members are appreciated by awarding Cash prize for their reputed journal publications. The criterion for the award is Scopus indexed journal with more than 1.5 impact factor.

3.4.8 Provide details of

Research awards received by the faculty

1. Dr.Janet has received Young Scientist Award for optimizing data movement in cloud
2. Dr.Janet has received best paper awards in IEEE.
3. Dr.A.Mahamani received a Young Scientist Award from DST.
4. Dr.A.Mahamani received a Research award from UGC
5. Dr.K.Ravindranath received the Emeritus Fellowship Award.
6. Dr.G.Bhaskar kuamr, received a Young Scientist Award from DST

3.4.9 State the incentives given by the faculty for receiving State, National and International recognitions for research contribution:

1. a) Faculty members who attend Faculty Enablement Programmes such as workshop/conference / seminar and symposium are being paid half of the actual expenditure subject to the maximum of Rs. 1,500/-(Rupees Fifteen hundred only) if there is no financial support from the organizers of the programme. The actual expenditure includes registration fee, traveling, lodging and boarding. The maximum ceiling per academic year under this head is Rs. 1500 /- (Rupees one thousand five hundred only) per head. However the faculty members are permitted to attend any number of FEP programmes, their absence during the programme period will be treated as "on duty".

   b) Financial assistance to the above programmes is limited to Rs.15,000/- (Rupees Fifteen thousand only) for each department per academic year.

2. a) For the faculty members to publish the papers in national/international conferences, half of the expenditure subject to a maximum of Rs.1500/-(Rupees Fifteen hundred only) is being reimbursed provided if there is no financial support from the organizers. This award is limited to the FIRST author only. The maximum ceiling per academic year under this head is Rs. 1500 /- (Rupees one thousand five hundred only) per head.

   b) For the faculty members to publish the papers in any national journals, an incentive of Rs. 1,000/- (Rupees one thousand only) per paper is being paid subject to a maximum of Rs. 2,000/-(Rupees two thousand only). This award is limited to the FIRST author only.

   c) For the faculty members to publish the papers in any international journals, an incentive of Rs.2, 000/-(Rupees two thousand only) per paper is being paid subject to a maximum of Rs. 4,000/-(Rupees Four thousand only). This award is limited to the FIRST author only.

3.5 Consultancy

3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

College had framed definite policy for consultancy and testing services:

➢ Fixed the cost per each component of consultancy as well as testing services.
➢ The amount per each component is decided by the departmental committee by considering the similar services rendered by other institution and organizations.
➢ For testing and consultancy the amount sharing is on 50:50 basis among the college and faculty involved.
➢ In case of design of building services 75% goes to faculty and 25% to the college.Some of the consultancy services under taken by the college:
➢ Material testing like cement, steel , aggregate and concrete
➢ Soil testing
➢ Testing of water samples

List of consultancy services undertaken by the College.

S. No	Project Title	Organization	Period	Amount Rs.
1.	Design of plumbing and Electrical work for New Building	Ramesh, Architech, Bangalore	2014-2015	75,000
2.	Installation of 40KVA UPS with 62No's 26AH batteries	SVCET	2014-2015	36,000
3.	Energy auditing and Billing	Srinivasa Educational Academy	2014-2015	36,000
4.	PWM Controller for IGBT & MOSFET	Eutech, Bangalore	2014-2015	50,000
5.	Modern techniques for power factor improvements in the industry	Scientech, Bangalore	2013-2014	45,000
6.	Energy auditing and Billing	Srinivasa Educational Academy	2013-2014	36,000
7.	Agriculture pump set Installation and Maintenance	Village Revenue Officer (VRO)	2013-2014	37,000
8.	Power Electronic control of DC and AC machines	KMM Institute of Science & Technology, Chandragiri	2013-2014	50,000
9.	Design of Wiring layout for Domestic and Industry using ECAD	Government ITI, Chittoor	2012-2013	50,000
10.	Panel Board Installation and Erection with 4 bus channel	220KV SS, Greamspet, Chittoor	2012-2013	30,000
11.	AC & DC Motor rewinding and Installation for Domestic and Agriculture	Kumar Hardware	2012-2013	25,000
			Total:	**4,70,000**

3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

YES

Our college has an AICTE sponsored IIPC

The scope of the college-industry cell is:

- To equip students with employable skills through training
- To help students to attain their desired employment and career goals across the globe.
- To nurture excellence in various fields of engineering by imparting core values to the learners and to mould the institution into a centre of academic excellence and advanced research.

Activities performed by college-industry cell:

Expert talks, Industrial visits, Technical festivals, Exhibitions, Students Competitions, Competency Development/Personality Development Programmes, Campus Recruitment Training. Career guidance programmes, reasoning tests, aptitude tests, puzzle solving, group discussions, mock interviews, brain storming sessions, case study analysis, pick and speak, experience sharing and mini presentations etc., are organized on a regular basis. In addition to these, several HRD training programmes are interspersed with the above-mentioned activities. These sessions help to contribute towards the holistic development of the students and makes them job ready.

The Training and Placement (TAP) Cell organizes a number of training programmes for the students of all semesters with the help of in-house experts and resource personnel drawn from professional agencies. The activities have proved exceptionally useful in shaping the careers of students.

3.5.3 **What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.**

The college is rendering various consultancies and testing services, there is no formalized procedure for publicizing the expertise. However, the following measures are taken to make the public aware of.

❖ Publicizing various consultancy and testing activities and equipment available in college website
❖ Inviting various industries and relevant organizations to college level seminars and workshops.

3.5.4 **How does the College encourage the faculty to utilize the expertise for Consultancy services?**

➢ 50% of the consultancy amount earned will be paid to the staff.
➢ Providing special equipment required for consultancy.

3.5.5 **List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.**

Consultancy Services by Department of Civil Engineering

S.No	Financial Year	Project Title	Financial Agencies	Consultancy Amount in Lakhs
1.	2012-2013	Testing of Cement Concrete Cube, Testing of steel specimens, Mix Design, Water analysis, Soil Investigations, Aggregate testing	Central ,State government department & Private sectors	64,000.00
2.	2013-2014	Testing of Cement Concrete Cube, Testing of steel specimens, Mix Design, Water analysis, Soil Investigations, Aggregate testing	Central ,State government department & Private sectors	52,000.00
3.	2014-2015	Testing of Cement Concrete Cube, Testing of steel specimens, Mix Design, Water analysis, Soil Investigations, Aggregate testing	Central ,State government department & Private sectors	42,000.00
4.	2016-2017	Testing of Cement Concrete Cube, Testing of steel specimens, Mix Design, Water analysis, Soil Investigations, Aggregate testing	Central ,State government department & Private sectors	22,000.00
			Total:	**1,80,000.00**

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the College sensitize the faculty and students on Institutional Social responsibilities? List the social outreach programmes which have created an impact on student's campus experience.

The college always conducts different programmes to inculcate social responsibility among the faculty and students.

❖ As part of institutional social responsibility, the NSS unit of the college is organizing blood donation camps and also conducting health check up programmes for nearby village people.

❖ Conducted special camps in the adopted village. (Muthirevula, Bandarlapalli and Thapovanam).

❖ Organize Family Health Awareness Programme to create awareness on Sexually Transmitted Diseases (STD).

❖ Organized Tree plantation programme on environmental day, Blood donation camp in collaboration with Govt. Hospital, Chittoor, Free Eye Screening Camp, The Human Rights Day and The Pulse Polio Immunization.

❖ Also organized Shramadaan programmes, Immunization programmes and National Integration Camps periodically throughout the year.

3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

The students of NSS are regularly participating in community development programmes.The students of these units join with other college students and participate in

various activities like organizing blood donation camps, and conducting health check up programmes for village people and so on.

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

- NSS unit of the college takes up various social service activities.
- Frequently conducting blood donation camps with NSS volunteers.
- To support the ex-service men, a rally was conducted in the year 2013.

3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?Established

- Received DST sponsored women technology park in putalpattu mandal, Chittoor**.**
- Established 100 Non Formal Educational Centers in Penumur Mandal, Puthalapattu Mandal, and G.D.Nellore MandaI of Chittoor District in 1989 under Central Government Assistance to cater to the needs of primary education of 3000 children.
- Established another 100 Non Formal Educational Centers in Veduru Kuppam MandaI and Penumur MandaI of Chittoor District in 1999 Under Central Government Assistance to cater to the needs of more than 3000 children.
- Constructed 250 Houses and 500 Low cost Latrines for the poor and down trodden in Penumur Mandal and G.D. Nellore MandaI of Chittoor District in 1995.

3.6.5 Give details of awards / recognition received by the College for extension activities/ community development work.

- Best Educational Promoter" awarded by Vijaya- Bhargavi Stage Award, received in 1993 at Ravindra Bharathi, Hyderabad. On 15.07.1993.
- "Bharat Jyothi Award" awarded for the chairman by International Integrity Peace & Friendship Society in 2000 for scoring a string of outstanding achievements in the chosen field of activity.
- "Nandi Award" received from the Honorable Chief Minister of Andhra Pradesh during the year 2003 for the Best Children's Film "Little Hearts" produced during the year 2000 and 2001.

3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?

- The participation of students in various social activities improves the integrity, morals and ethics and also students interaction with society is also improved.
- It also results in improved discipline among the students.

3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.

The college conducts several awareness programmes to encourage community participations. Some of such programmes are:

- NSS wing created the awareness on blood donation camp in the campus.
- NSS wing organized Family Health Awareness Programme to create awareness on Sexually Transmitted Diseases(STD)

- To create awareness in the society NSS wing organized a seminar on Waste management.

3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

YES

College will encourage the students and faculty to take part in NSS social activities, Blood donation camps, Shramadaan programmes, Immunization programmes and National Integration Camps.

All the activities are well documented and this information is also used to see the activities continue in future.

3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.

The college has extended some of its faculty as members of outreach programme of JNTUA. They include free blood donation programme, AIDS awareness programme, Free Eye check programme, Rural sanitation and cleanness, Swachha Bharath and many.

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

Awarded the best NSS unit for the years 2011, 2012 and 2014.

3.7 Collaboration

3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?

College's collaboration with other agencies has impacted as follows:

- Students have the access to do projects in the industry
- Students have the opportunity for going on industrial visits and getting exposure to the real working environment
- Students have access for doing internship programmes in the industries
- Transfer of technology information and knowledge from industry to the faculty and students is done through collaborative programmes like guest lecture, seminars, workshops and other interactive programmes.

3.7.2 Mention specific examples of, how these linkages promote Curriculum Development

BOS of each department have an industry expert, to look into this industry needs and suggest the curriculum requirement to suit the industry needs.

Internship, On-the-job training

Students are permitted to do internships in industries during the summer vocation some of the selected organizations that have extended internship facility to the students include Microsoft, Infosys, IBM etc.

Faculty exchange and development

Our institution has signed an MOU with Lincoln University College, Malaysia for faculty exchange programme, through Dr. M.Mohanbabu, Dean Admissions and International Relations, on his visit to Lincoln University College, Malaysia

Research, Publication

(i) Publications in International and National journals have been increased.

(ii) Increased number of research scholars.

Consultancy, Extension

In order to extend the expertise available in the institute to the industry outside, the institution undertakes consultancy service and there by solves the problems of the industry. Many a good number of services had been provided by the consultancy division to the industry, which are mentioned below:

Student placement

The institution has gained the full benefits of the interaction with various industries and the students are placed every year with the following industries. TCS, Infosys, Tech Mahindra, Virtusa, L&T, One Globesystems, SAP, Vasantha Tools, Visiontek,Syntel,Sail,Oracle,Accenture,Cruise Line,Datalab Technologies Ltd,Robert Bosch,Computer Sciences Corprn.

3.7.3 **Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries / corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College?**

YES

The college has MoUs with

- IBM Center of Excellence.
- Microsoft Innovation Center (MIC)
- Sun Academic Initiative (SAI) school.
- Infosys Campus Connect Programme (Advanced Partner College)
- Jawahar Knowledge Centre – Star status.
- Microsoft dream spark campus.
- MoU with University of Massachusetts, Lowell, USA on 18.7.2009.
- MoU with Royal Civil Service Commission (RCSC), Thimphu, Bhutan.
- MoU with Oracle academy for advanced Computer Science programme
- Member of Indo – US Collaboration for Engineering Education (IUCEE).
- MoU with Curators of the University of Missouri on behalf of the university of Missouri-Columbia on 27.08.2013.
- MoU & Faculty exchange with Lincoln University, Petaling Jaya, Malaysia on 21.08.2013.
- MoU with Milwaukee School of Engineering, Milwaukee, Wisconsin, USA on 19.05.2014.
- MoU with India and Kansas State University, Manhattan, Kansas, USA on 29.04.2014.

These MoUs involved the establishing of advanced laboratory facilities. These labs are under use by students either for training, or for research projects, or for curriculum development (e.g. inlaboratory work and support for theory) etc.

The quality and output of teaching learning process has improved by the following

1. Conduct guest lecturers/seminars/workshops in every semester by resource persons drawn from Industry / NIT and Reputed Universities.
2. Every year to organize the Industrial visits to understand the transition from academy to industry.

3.7.4 Have the College industry interactions resulted / creation of highly Specialized laboratories /facilities?

YES

The college industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities in the different departments to solve the problems faced by the industries and carrying out the research.

➢ IBM Center of Excellence.
➢ Microsoft Innovation Center (MIC)
➢ Sun Academic Initiative (SAI) School.
➢ Jawahar Knowledge Centre-Star status.

CRITERION – IV
INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the college plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

- The expansion of the physical infrastructure is planned and carried out based on the need. The college has been meticulously planning and constructing new blocks whenever the need arises. The college had so far constructed Main building (41.01½ acres Built-up floor space: 37,917.14sq.m), First year Block (2844.42 sq.m), Canteen (845.42 sq.m.), Proposed Administrative /Central Library (3947.45 sq.m.).

- The college houses a Centre of Excellence for Big Data Analytics and Cloud Computing with the research grant received from DST. Further, Microsoft Innovation Centre, IBM Center of Excellence, Infosys Campus Connect Programme are also functioning in the campus, which ensure optimal and state of the art resource utilization. The Laboratories in each Department are utilized optimally. Some laboratories are used for research and training purposes.

- The budget proposals for the purchase of new equipement, books and learning materials will be furnished by every department at the beginning of each academic year. A committee comprising of the Vice Chairman, Principal, and Heads of Departments meet frequently and scrutinize the proposals submitted and give sanction to purchase of the same.

- The college has an Auditorium, Conference hall and Seminar Halls of different seating capacities. These resources are utilized to provide a conducive environment for effective teaching and learning process.

- Seminar Halls are also used as learning centres where e-learning sessions like NPTEL and TED TALKS are conducted for the benefit of the students.

4.1.2 Does the college have a policy for creation and enhancement of Infrastructure in order to promote a good teaching and learning environment? If yes, mention a few recent initiatives.

    YES

- The Principal, Administrative Heads and the Heads of the Departments engage in the policy planning decisions to promote conducive teaching and learning environment.

- Some of the initiatives undertaken include providing LCD projectors in every department, creation of Centres of Excellence which include Microsoft Innovation Centre, IBM Center of Excellence, Infosys Campus Connect Centres, modernizing the labs through AICTE, MODROBS and college funding.

- The college conducts various career oriented programmes through the centres established with tie-up from Industry.The college through the IBM Centre of Excellence has successfully conducted the TamilNadu Great Minds Challenge programmes (TGMC) and other certificate programmes in DB2, RAD to name few. Microsoft Innovation Centre which functions in the college has offered certification programmes including MOS, MTA to name a few thus aiding the creation of a sophisticated digital ambience for better learning.

- The college also conducts Infosys Campus Connect programme in collaboration with Infosys Ltd to inculcate latest computing knowledge to the student community through its foundation programme.

- The college streams live lecture sessions by eminent academicians and industrialists. The college has E- classrooms in order to aid effective learning.
- Research clubs (Inter departmental are started to promote students ideas).

4.1.3 Does the college provide all departments with facilities like office room, common room,   and separate rest rooms for women students and staff?
   YES
- Common rooms for Girls and women staff are provided in each department which are of 73.12 sq.m.area.
- The office room and faculty room details of each department are furnished below.

S. No	Department	Office Room (Sq. mtrs)
1.	CE	36.30
2.	EEE	35.75
3.	ME	36.30
4.	ECE	32.93
5.	CSE	33.93
6.	IT	34.44
7.	MCA	39.59
8.	MBA	39.59
9.	HAS	33.55
S. No.	Department	Faculty Room (Sq.mtrs)
1.	CE	27.42
2.	EEE	69.92
3.	ME	27.41
4.	ECE	114.3
5.	CSE	69.65
6.	MCA, IT	169.5
7.	MBA	169.5
8.	HAS	34.82

4.1.4 How does the college ensure that the infrastructure facilities meet therequirements of students/staff with disabilities?
- Wheel chairs are provided in the college in order to cater the requirements of students / staff with disabilities.
- Some pathways have ramps to help the students with disabilities.

4.1.5 How does the college cater to the residential requirements of students?
   Hostel facilities
      The college provides International Hostels offering single, double, triple and four bedded occupancy furnished with imported furniture (cot + book shelf cum computer table + almirah + chair) with A/C option. The residential facilities for the hostel community additionally include air conditioned rooms, refrigerator, Wi-Fi, International cuisine, Doctor on a call, Ambulance Service etc. The college enjoys the reputation of being one of the best engineering colleges in Andhra Pradesh nestled in serene atmosphere providing quality education. On the whole, the college provides a safe, secure and ingenious ambience to the students for integrated learning practices.

Summary of block wise room details – Boys Hostel

S.No	Name of the Block	Single Room	Double Room	Three Bedded	Four Bedded	Five Bedded	Six Bedded	Total
1	APJ Abdul Kalam	-	30	-	02	-	-	32
2	CV Raman	-	39	-	08	-	1	48
3	KL Rao	-	37	17	01	-	-	55
4	M.Visveswaraya	-	37	-	09	-	-	46
5	SrinivasaRamanujam	17	19	-	10	-	-	46
6	Bill Gates	02	39	-	01	-	-	42
7	New Building	-	28	105	07	-	-	140
	Total	19	229	122	38	-	01	409
TV(1), HK(1), Internet(1), Warden(1), Store Room(2) and Panel Board Room(1)								07
Guest Houses								
Total Rooms								

Summary of block wise room details – Girls Hostel

S. No	Name of the block	Single Bedded	Double Bedded	Three Bedded	Four Bedded	Five Bedded	Total
1	Sarojini Devi	03	09	02	75	02	91
2	New Building	-	18	03	14	-	35
	Total	03	27	05	89	02	126

Residential facilities & Infrastructure for International Community

- Single bed room, air-conditioned rooms are available for International students
- The residential facilities for the international community additionally include air-conditioned facility, refrigerator, Wi-Fi, international cuisine etc.
- In the hostel, the students are provided with high speed Internet connectivity (Both LAN and Wi-Fi) with 70 Mbps bandwidth. This aid in enhanced teaching and learning.
- The college provides separate hostel accommodation for Boys and Girls. Both the hostels are situated just 0.5km from college.
- Bus facility is available for students from hostel to college and back.
- Boys hostel has presently 416 rooms and it is under expansion to cater the increasing number of students seeking admission into hostel.
- The Girls hostel has 126 rooms that are equipped with necessary amenities.
- The students are encouraged to develop community life and inculcate the spirit of tolerance, thus taking care of their psychological and emotional problems and shape themselves to be better citizens.

4.1.6 How does the college with health related support services for its students, faculty and non-teaching staff on the campus and beyond?

- A state-of-art hospital, RVS Hospitals & Research Foundation functions adjacent to the college premises. A team of good doctors takes care of health issues of the students and staff of the college. The Hospital also provides excellent health services to the people residing in the neighboring areas.
- There is an ambulance stationed in the campus premises to provide immediate assistance in case of emergency.
- The college has paved way for all the staff and students to avail excellent medical services through its hospital all the time.

4.1.7 **What special facilities are made available on the campus to promote interest in sports and cultural events?**

        The college has a Play-Ground space consisting of 400m AthleticTrack, Volleyball, Basket Ball, Kho-Kho, Kabaddi, Badminton (Shuttle), Hand Ball Court, Ball Badminton, Netball Courts, Football, Throw Ball,Tennikoit ,Cricket fields, Javelin Throw Long-Jump, High Jump, Shot-put, Hammer, Discuss Throw Pits There are separate Volley ball courts, Ball badminton courts, Basket ball court, Kabaddicourt, Tennis court and Shuttle badminton court.

- The college has a cultural association, namely, Harika Memorial Literary and Cultural Association (HMLCA) which provides a platform for the students to showcase their creative and cultural talents. This association helps them to acquire new artistic skills along with their regular academics in order to flourish well in their career and life.
- Through this association, various events like Anthyakshari, Dumb Charades, Singing, Group Discussion, Essay writing, Quiz and various other competitions are conducted every year to hone up and exhibit the artistic and literary talents of the students.

Details of Department of Physical Education

S.No.	Name of the Area	Plinth Area in
a	Badminton-outdoor	222.75
b	Table Tennis Halls	297.29
c	GymnasiumHall	111.5
d	Department Room	4.25
e	Store Room	111.5
f	Play-Ground Consists of 400m AthleticTrack, Volleyball, Basket Ball, Kho-Kho, Kabaddi, Badminton(Shuttle), Hand Ball Court, Ball Badminton, Netball Courts, Football, Throw Ball,Tennikoit,Cricket fields, Javelin Throw Long-Jump, High Jump, Shot-put, Hammer, Discus Throw Pits	40,200

List of Equipments:

S. No	List of Equipment in the Gymnasium.
1	Squat Press
2	Multi Purpose Bench
3	Steel Dumbell-50kg
4	Bench Press
5	Leg Press
6	Seated Chest Press
7.	Stepper with Handle
8	Rowing Machine
9	Tread Mill
10	Dumbbells /Plate Rack

Physical Department Equipment Details

S. No	Name of the Event facility	Courts & Play Fields Availability for utilization	No. of students Utilizing
1	Table Tennis Boards	08	60

2	Badminton outdoor	03	30
3	Gymnasium Hall	20 individualstations & 2 multi-stations	150
4	Volleyball courts	02	30
5	Throwball	02	30
6	Tennikoit	02	10
7	Ball Badminton	02	30
8	Football	01	50
9	Cricket	02	200
10	Athletic Track	400 m (8 lanes)	100

4.2 Library as a Learning Resource

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

YES

The library has an advisory committee. The committee is constituted with the principal as convener and heads of the departments, senior faculty and librarian as its members. The co-ordinator of the library is Dr Mahamani, Professor, Department of Mechanical Engineering. The committee meets and discusses about the procurement of books, journals for the library and make suggestions for the improvement of the library services.

- The Library is attached with digital library which is setup in a spacious part of the college building. It has been systematically and steadily strengthened year after year. It contains commendably classified text books and reference books. In addition to Journals and Magazines, Spacious reading rooms with modern facility enhances the zeal of the students for knowledge.

- The College subscribes reputed national, international journals along with prominent national daily newspapers. Advanced RFID with SMART CARD Library Management Technology was introduced in circulation section.

- Our college houses a digital library in which collections are stored in digital formats (as opposed to print, microform, or other media) and accessible by computers. The digital content may be stored locally, or accessed remotely via computer networks. A digital library is a type of information retrieval system.

Server Smart Card with RFID

The circulation in the library is carried out with the help of RFID with Smart Card system which enables the students to borrow and return books in an easy and quick manner

Anti-Theft Detectors Systems with Security

The library monitors in disciplinary transportation of the books with aid of anti – theft detector system and security personnel.

OPAC and Self Issue – Books

The students Search and borrow books without any manual help with help of Self issue system

Drop Box (Self Return Counter)

The students return books through drop box at the self return system.

4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts)   -   930.23 Sq.m.
- Total seating capacity   -   120
- Working hours
  On working days   -   8 AM to 7 PM
  Before and during examination days   -   8 AM to 7 PM
  On Holidays   -   Sunday (9 AM to 4 PM)
  During Vacation   -   9 AM to 4 PM
- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)
  The Library has 1 spacious reading hall of 465 Sq.m for relaxed reading. Digital Library is available for accessing e-resources.
- Access to the premises through prominent display of clearly laid out floor plan; theft alarm; access to differently abled users and mode of access to collection.

Floor plans are displayed to access the premises. Open access system is followed to access the collection.

4.2.3 Give details on the library holdings

a)   Books (print)   -   57,600
        Back volumes   -   430
        Thesis   -   Nil

b)   Non print(Microfiche AV)
        Educational CD's   -   2,000
        NPTEL Video lessons -   yes

c)   Electronic (e books, e journals)
        E journals and e books of IEEE, Wiley Civil Engineering, Springer Mechanical Engineering and J-gate Social and Management Sciences Databases are accessible at digital library.

d)   Special Collection
        (Eg. Text books, reference books, standards, patents)
        Text books   -   49,077
        Reference books   -   8,523
        Standards (IS codes)   -   ASTM Digital Library
        Patents   -   30

4.2.4 What tools does the library deploy to provide access to the collection?

- OPAC
- Yes, OPAC is available to provide access to the collection Library Website
- The details of the library are displayed in a lucid manner in the college website.
- In-house /remote access to e- publications, e-journals are accessible throughout the college campus.

4.2.5 To what extent is the ICT deployed in the library

Library automation

- The library is fully automated with HCL Library Management Software.
- Total no. of computers for public access   -   20
- Total no. of printers for public access   -   01

- Internet band width speed   -   70 Mbps
- Participation in resource sharing networks/consortia (like INFLIBNET)
- E-Journals: IEEE, Wiley Civil Engineering, Springer Mechanical Engineering and J-gate Social and Management Sciences.

Details are furnished in Appendix

4.2.6 Provide details (Per month) with regard to

Average no. of walk – ins	-	443
Average no. of books issued/returned	-	327
Ratio of Library books to students enrolled	-	14:1
Average no. of books added during last 3 years	-	5001
Average no. of login to OPAC	-	20
Average no. of login to e resources	-	20
Average no. of e resources down loaded / printed	-	15
Number of information literacy trainings organized	-	Nil

4.2.7 Give details of the specialized services provided by the library

Manuscripts	-	Nil
Reference	-	Yes
Reprography	-	Yes
ILL (inter library loan service)	-	Yes
Information Deployment and notification	-	Yes
OPAC	-	Yes
Internet access	-	Yes
Downloads	-	Yes
Print outs	-	Yes
Reading list / bibliography compilation	-	No
In-house/remote access to e-resources	-	Yes
User orientation	-	Yes
Assistance in searching database		Yes
INFLIBNET /IUC facilities	-	Nil

4.2.8 Provide details on the annual library budget and the amount spent purchasing new books and journals.

Annual Library Budget 2016-2017

Budget for books		Amount spent
07 lakhs	-	10.63 lakhs
Budget for Journals		Amount spent
14 lakhs	-	15.95 lakhs

Annual Library Budget 2015-2016

Budget for books		Amount spent
16 lakhs	-	19.24 lakhs
Budget for Journals		Amount spent
10 lakhs	-	13.65 lakhs

Annual Library Budget 2014-2015

Budget for books		Amount spent

22 lakhs	-	19.09 lakhs
Budget for Journals		Amount spent
14 lakhs	-	13.77 lakhs

4.2.9 Does the library get the feedback from its users? If yes, how is itanalyzed and used for improving the library services.

> YES
>
> The librarian and the library committee in charge receive oral feedback from the staff and the students and the same is used to provide improved library services.

4.2.10 List the infrastructural development of the library over the last four years.

- 18,306 new books have been added to the library over the last 4 years.
- HP Scanjet G 2410, Flatbed document scanner has been purchased. Canon LBP 2900 printer has been purchased.

4.2.11 Did the library organize workshops for students, teacher, and non teachingstaff of the college to facilitate better library usage?

- It was suggested by the advisory committee to conduct separate workshops for the students and staff with an objective to facilitate efficient usage of library resources.

4.3 IT Infrastructure

4.3.1 Does the College have a comprehensive IT policy addressing standardson IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?

(a) IT Service Management

The website could be accessed by public in general.The personal data pertaining to students are used for internal administration purpose by the office administration. The protected data could be accessed by the heads of Departments and senior administrative staff upon the approval of the Principal. The EDU management software is used by the staff to apply leave, permissions online and to upload their class, subject and the attendance details. There is a separate userID generated for each staff with which they could log on and update their details. The same could be viewed by the Head of each department for verification and correction. This software is maintained by an administrator of IT section.

(b) Information Security

The administrative section of the college maintains all information pertaining to the students and staff. This helps the Administration, to keep track of the performance of students and staff. This information is kept secured by the administrative section. The personal and academic details of the students and staff are maintained in each department.

(c) Network Security

The network and computing resources of the College aid in enabling data and communication services by way of intranet and internet services. The IT section of our College is responsible for maintaining and supporting the network infrastructure, operations and security of the networks. A faculty in charge is deputed in the main Computer Center who is responsible for the security and smooth functioning of all the 4

bays of the Center. The IT section, faculty in charge of the Computer Center and the network engineers ensure smooth function, of the network by taking responsibilities to configure and monitor the network.

(d) Risk Management

The college has Antivirus and Antispamsoftware to manage the security risks. The faculty in-charge along with the hardware personnel in the Computer Center ensure that the software is upgraded and the computer systems are safe and secure.The respective faculty in-charges of the computer laboratories along with the IT section are responsible in protecting the Information technology resources of the College against threats and other vulnerabilities.

(e) Software Asset Management

The faculties in charge along with the hardware personnel in the Computer Center ensure that the software's are upgraded and the computer systems are safe and secure. The faculty in charge of the Computer Center is responsible for managing the software assets including licensed and free wares available with the College.

The College strictly adheres to copyright and license policies of the software firm from which it procured the software. The installation of the corresponding computer software is taken care of by the respective faculty in charge and system administrators in each laboratory.

The college has incorporated a (manual) audit procedure which is conducted annually to ensure that all the software systems, softwares and registers are maintained up-to date in each laboratory.

4.3.2 Give details of the College's computing facilities (hardware and software).

- Number of systems with configuration = 1000
- Computer-student ratio = 1:3
- Dedicated computing facility: Available
- LAN facility : 70Mbps speed
- Wi-Fi facility: Available in college premises.
- Propriety software / Open source softwares : Available
- Number of nodes/ computers with internet facility: 300

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

The college constantly strives to upgrade the IT infrastructure and associated facilities from time to time and provides state of the art IT infrastructure. The systems are upgraded based on the need and requirements before the commencement of the next academic year, P-III systems and P-IV were replaced with dual core processor systems. Recently, Lenovo thin client systems (75 no's) were purchased to cater requirements of First year students.

4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

The faculty of the college access NPTEL through the internet facility extended to them in order to improve their subject knowledge. The college is subscribing to various

national and international journals both online and print versions, which are used for continuing research. The library is participating in resource sharing through DELNET. (List of DELNET journals given in 4.2.5)

4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.

- The college has E-classrooms.
- Every department is provided with LCD projectors. Effective teaching is imparted using LCD projectors and E- classrooms in the form of animations and videos.
- The Seminars halls are provided with internet facility which provides access to web resources for teaching.
- In the college, the students are provided with high speed Internet connectivity (Both LAN and Wi-Fi) with 70 Mbps band with.
- In the hostel, the students are provided high speed Internet connectivity (Both LAN and Wi-Fi) with 70Mbps bandwidth. This helps to enhance teaching and learning.

4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?

The college provides the faculty members with the computer systems and uninterrupted high speed internet connection to enable the faculty to browse through the latest trends in their subject area and deliver effective lecture sessions. Each department is specifically equipped with computer systems with internet facility and printer. The faculty makes use of these resources towards imparting effective knowledge to the students. The teaching faculty has access to online journals and other library resources which enable them to impart better subject knowledge to the students.

4.3.7 How are the computers and their accessories maintained? (AMC, etc.)

Out of available Computers, 25% of the computers are brought under the terms of 3 years warranty. Hence Company holds response for maintenance of these 25% computers. For the rest 75% the routine maintenance related service works are carried out by IT Section which comes under the peer view of Information Technology Department. This IT section is headed by HOD, with a team of 4 Service engineers and 2 Network Engineers

4.3.8 Does the College avail of the National Knowledge Network Connectivity? Directly or through the affiliating University? If so, what are the services availed of?

YES

- The college has 70 Mbps connectivity directly. This connectivity is used to access video lectures/ web courses/resource material. The college students are given placement oriented training and helped in placements through Jawahar Knowledge Centre (An initiative of A.P Society of Knowledge Networks under Government of Andhra Pradesh and Andhra Pradesh State Council of Higher Education) and NAC-Tech (NASSCOM Assessment on Competency of Technology).
- The college through NAC-Tech conducts assessment tests and aids in placing the students in all IT Major companies including TCS, Infosys, Wipro, CTS, Accenture, and HCL. Hiring managers would be able to shortlist candidates of their competency preference and be able to reach out to the respective college Placement In-charges for further process.

4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the college

S.No.	Year	Budget (Rs in Lakhs)	Amount spent (Rs in Lakhs)
1	2013-2014	11.50	3.02
2	2014-2015	28.00	19.69
3	2015-2016	22.12	20.21
4	2016-2017	28.00	27.50

4.4 Maintenance of Campus Facilities

4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

YES

The college has a House Keeping Department which takes care of overseeing the maintenance of the buildings, classrooms and laboratories. The details are furnished below.

Infrastructure & Facility		Maintenance Description
Land Built up Area Exclusive for the Institution Land : 41.01½ acres Build-up floor space: 45,554.43 sq.m	:	The cleanliness of the campus is maintained by the House keeping Department consisting of Maintenance In-charge, Housekeeping In-charges, Supervisors and Staff. There is a proposal to outsource the day to day maintenance activities to a third party for effective implementation and maintenance
Class Room	:	The Classrooms are well furnished, properly ventilated and adequately lighted. The housekeeping staff cleans the classrooms every day and is monitored regularly by the floor in-charges.
Seminar Hall	:	The seminar hall is under the control of department of ECE. The ECE department has established state of art audio visual equipments in these Seminar Halls. The Seminar Halls are also used as learning centres were e-learning resources like Manabadi, NPTEL and TED TALKS are regularly steamed live for the benefit of the students.
Tutorial Hall	:	Tutorial Halls are also equipped with requisite audio visual equipment to facilitate Teaching learning process. The housekeeping staff cleans the tutorial rooms every day and is monitored regularly by the floor in charges.
Laboratories	:	A faculty in charge and laboratory Technician look after the maintenance of each laboratory. They prepare the budget requirements for consumables, new equipment, repairs and calibration, if required
Equipments	:	Lab Technicians maintain the log book for the equipment of the laboratory. They prepare the preventive maintenance schedules under the guidance of the faculty in charge and carryout regular maintenance as per the schedule.

Computers	:	A separate Department under the control of Head of the Department, Information Technology, looks after all the aspects related to the computational needs of the organization. The department has various system administrators and programmers on the rolls and is responsible for all the repairs and maintenance related to systems and software.
Central Library	:	All the books are accessioned according to the serial number of the accession and classified subject wise and shelved in the rack. The library is fully automated with RFID System for book issue and collection. This state of art technology is first of its kind in Andhra Pradesh. Digital Library with more than 10 systems with IEEE and DELNET subscription is available for the staff and students.
Dept. Libraries	:	Department Library consists of books aiding students and staff in their every day learning. The staff and students can refer to the books in the department library during the working hours, in their free time.
Internet /Intranet	:	The College has 340 mbps broadband connectivity. Also the campus is Wi-Fi enabled. Head of the Department, Information Technology, looks after all the aspects related to the internet needs of the organization. They maintain the daily bandwidth allocation, usage, sharing etc., records.
Electricity	:	The electricity related repairs and maintenance activity is carried out by the team of Electricians. The electricians are supervised by Faculty in charge from the department of EEE.
Water	:	Water availability and the related works are taken care of by the maintenance department. The maintenance department is entrusted with the responsibility of minimizing the wastage of water. The department is also in the process of setting up of infrastructure required for rain water harvesting. With respect to drinking water, elaborate arrangements are in place for Reverse Osmosis and treatment of water.
Transport	:	A fleet of 16 buses under the supervision of the senior faculty member from the department of Mechanical Engineering is operational for meeting the transportation needs of the organization.

Electricity

The college has 250 KVA – 11 KV/433 V, 50 Hz, 3 Phase naturally cooled aluminum wound-up transformer.

Power Backup

Generator:

The college has 125 KVA DG set of ALG 680 TC- Make: Ashok Leyland.

UPS

The college has 5- 40 KVA static online converters with 32 batteries each with a back up of 20 minutes each. Also, one 40 KVA online static load tap changer with convertor – 64 batteries with total backup of   90 minutes.

4.4.2   **Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.**

YES

- The college has a House Keeping department which takes care of maintenance of the college.
- There is also a committee for maintenance of college website.
- The college has separate staff for maintenance and repair. The following are the details of such staff.
- Electricians – 3Nos
- Carpenter   –   1 No.
- Hardware Service Engineers –   4 Nos
- Electrical Supervisor - 1No
- Generator Operator – 1 No. (to look after two generators of 250 KVA and 15 KVA capacity for power back up) Apart from these, 2 Gardeners and 22 Sweepers exist for maintaining the cleanliness.

CRITERION – V
STUDENT SUPPORT AND PROGRESSION

5.1 Student Support and Progression

5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

YES

The student support system comprises of Mentor, Counsellor, HOD, Vice-Principal, and Deans. The support system functions through several units such as Departmental Mentoring System, Guidance and Counselling Cell, Placement and Career Guidance Cell, Grievance Redressal Cell, and Committees for all extra-curricular activities. These committees include staff and student representatives under the supervision of the Principal. The mentor meets the students twice a month individually. Such meetings enable the mentors to identify and help the academically weaker and economically needy students. The mentor also contributes to the physical, psychological and social development of the students.

5.1.2 What provisions exist for academic mentoring apart from class roomwork?

- Class tests, seminars and assignments are conducted to know the level of the knowledge in the fundamentals of all subjects.
- Guest lecturers on advanced topics are arranged for the students. The students are encouraged to participate in technical paper contests / group discussions / workshops / quiz organized by the department, college and other technical institutions. Coaching classes are conducted for II, III and IV year B.Tech students to have a good grasp of the fundamentals and preparing for GATE and other competitive examinations. Practice tests are conducted in different subjects with the model of GATE Question papers.

5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counseling, soft skill development, etc.

YES

Training and Placements

- Training and Placement Cell organizes various activities like Training, Counseling and conducting Campus Recruitments for students by inviting various reputed Software and core Companies. It also provides facilities for the students to attend off-campus placements.
- Mock interviews
- Seminars / Guest lecturers are organized on career guidance to students and Résumé preparation. Guidance is provided for students to take part on-campus and off-campus drives, to appear for competitive examinations, aptitude tests and communication skills development.

Soft skills

The college offers communication skills course in regular curriculum through lab in the I B.Tech. The orientation classes for the students are organized at the beginning of every academic year to develop the overall personality of the students.

Academic counseling

Academic performance is monitored by the class teacher who provides personal and academic guidance for the students for their progress in curricular, co-curricular and extracurricular activities. A meeting with Parents' is conducted once in every semester to apprise them of the progress of their wards and to get feedback and suggestions from them for the benefit of the students.

Type of mentoring: Professional guidance / career advancement/ course / laboratory/total development

Number of faculty mentors	: 3 1 2
Number of students per mentor	: 20
Frequency of meeting	: Monthly

Mentoring system: An individual record is maintained for each student and the following details are noted.

- Personal Information
- Previous performance Record
- Academic Performance
- Competitive Examination Details
- Details of Internship and Industrial Training
- Scholarships received
- Co-curricular and Extra-curricular activities
- Awards, prizes received / won

If necessary the mentors will meet the parents of the students to give feedback about their wards in the interest of their smooth progression.

Professional Guidance:

The college has senior faculty well versed in academic and administrative environment of Universities, NITs and IITs who can guide the students to become good professionals in addition to the classroom teaching. The Industry institute Partnership cell and Entrepreneurship developmentcell are providing direction to mould students as good Entrepreneurs.

Career advancement:

- The Training and Placement cell is actively arranging campus recruitment drives and also conducting training programmes for students

Course work:

- The faculty handling different courses interacting with the students and clear their doubts even beyond class hours and conduct slip tests to improve their performances in end university examinations. They are also given assignments periodically to improve their technical writing skills.

Lab-specific:

Each class is divided into two main batches and each one is handled by two faculty members in order to pay special attention while the experiments are being carried out.

Each batch is divided into sub-batches consisting of five students to carry out the experiments. All the experiments will be demonstrated in the first class and lab manuals are given to the students to note the procedure and model calculations.

After conducting the experiment the student will submit their observations with calculations to the concerned teacher for correction.

Total Development:
- As stated above, the department / college puts forward efforts for the overall development of the student in academics and extra curricular activities like literary, cultural and sports, to attain leadership qualities,decision making abilities, team spirit, analytical capabilities, socio-psychological awareness and many.

Efficiency of the System:
- The mentoring system developed by the college is found to be worth enough.
- Academic performance has improved. The involvement of the students in presenting papers in the Symposiums, preparing models for exhibitions, participation in cultural activities has increased.
- The faculty members pay attention to each student regularly. Since the number allotted to each teacher is limited to 20, effective monitoring is possible and care is taken to improve the performance of slow-learners by arranging extra classes beyond the working hours.
- Name and fame of the college has increased.

Other enhancing activities

Industrial visits are arranged for acquiring practical knowledge of subjects and updating their knowledge about current trends.

5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities/ information included / provided to students through these documents? Is there a provision for online access?

YES

The college provides online access.

Website(http://www.svcetedu.org/): A brief history of the institute, department wise faculty details, information about placements, alumni, anti-ragging provisions , information about examinations and academics, information on various laboratories, achievements of the students in sports, NSS, research activities of the departments and other important information is provided. It also has course information, academic calendar, and syllabus for the benefit of students end exam results.

5.1.5 Specify the type and number of scholarships / free ships given to students (UG / PG / M.Phil / Ph.D. / Diploma / others in tabular form) by the College Management during the last five years. Indicate whether the financial aid was available on time.
M.Tech, (GATE Qualified)
Ph.D (Management is providing fellowship)

5.1.6 What percentage of students receives financial assistance from state government, Central government and other national agencies? (e.g., Kishore Vaigynaik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)

Nature of the Scholarship	Year							
	2016-17		2015-16		2014-15		2013-14	
	%	Amount Rs lakhs	%	Amount Rs lakhs	%	Amount Rs lakhs	%	Amount Rs lakhs
SC	10.92	110.26	10.10	106.25	12.30	109.88	17.19	101.75
ST	1.17	11.81	1.03	10.77	0.95	8.52	3.85	22.79
BC	34.02	343.66	36.26	381.26	37.02	330.64	36.02	213.14
PH	--	--	--	--	--	--	--	--
EBC	46.68	471.52	46.04	484.06	44.82	400.31	37.11	219.60
Minority	7.21	72.84	6.57	69.13	4.90	43.79	5.83	34.52
Total	100	1010.11	100	1051.47	100	893.14	100	591.80

5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?

YES

The Officials of the department of International Relations visit different countries and interact with concerned authorities to brief the academic programmes and facilities of the institution such as

➢ Residential accommodation of global standards for international student community
➢ Good healthcare facilities are made available by a qualified and trained medical team comprising of a doctor and other paramedical staff, round the clock to attend to any student reporting sick. Now the management has also established a 350-bed multi-specialty hospital adjacent to the college with all modern equipment and facilities. Ambulance services are available round the clock
➢ Air conditioned apartments are allotted for NRI and foreign students
➢ Senior chefs are also appointed to prepare tasty food catering to their choice.
➢ Dean - International affairs regularly interacts with overseas students to solve problems

The above measures have helped in creating a good image for the institute and the institute attracts a good number of students every year as seen from the following table

Year	No of students admitted	Major countries
2016-17	474	Nepal, Bhutan, Sudan, Iran, Iraq, African Countries etc.,
2015-16	507	
2014-15	210	
2013-14	28	

5.1.8 What types of support services are available for

• Overseas students
• Physically challenged / differently able students, SC/ST, OBC and economically weaker sections
• Students to participate in various competitions / conferences in India and abroad

- Health centre, health insurance etc.,
- Skill development (spoken English, computer literacy, etc.,)
- Performance enhancement for slow learners / students who are at risk of failure and dropouts
- Exposure of students to other institutions of higher learning / corporate / business houses, etc.,
- Publication of student magazines.

o **Overseas Students**
  Facilities are available as listed in 5.1.7

o Physically Challenged / Differently abled student, SC/ST/OBC & economically weaker sections.
  The college is providing Lecture and Examination Halls in the Ground Floor to cater to the needs of such students. Moreover, Tri cycles are provided for PH.

o SC/ST/OBC and economically weaker section students are provided fee reimbursement by the state government.

  Students' participation in various programmes like Book Bank and government schemes, Competitions in India / conferences in India and abroad. Students are encouraged to participate in various competitions/conferences organized by different universities and colleges.
  Many students participate in various events organized in the college and other institutions and good number of students get prizes in the inter university and inter collegiate competitions in India and are provided with a necessary guidance and financial assistance from the college.

- **Health centre, health insurance etc.,**
  The management has established a 350-bed multispecialty hospital adjacent to the college with all modern equipment and facilities. Ambulance services are available round the clock.
  Students are benefited by opting for health insurance scheme like personal accident policy offered by India insurance company limited.

- **Skill development (spoken English, computer literacy, etc.,)**
  The college offers communication skills, Spoken English and also computer literacy class by external faculty periodically for the benefit of students to improve their soft skills.

- **Performance enhancement for slow learners / students who are at risk of failure and dropouts**
  Remedial and additional classes are conducted for slow learners beyond the regual class timings.

- **Exposure of students to other institutions of higher learning / corporate / business houses, etc.,**
  Guest Lecturs / Seminars are conducted regularly by faculty from reputed industries/institutions on advanced technical topics of thrust areas for better exposure of learning content.

5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET / SLET and any other competitive examinations? If yes, what is the outcome?

YES

Outcome

At an average 6 percent of the students are qualified in GATE and around 60 percent of students get their employment either in campus placement or in off campus recruitment drive. 10 to 15 percent of students opt for admission for M.S Programme abroad.

Number of students who have passed the following examinations during the last five years.

Name of the Examinations	Year				
	2017	**2016**	**2015**	**2014**	**2013**
NET	-	-	-	1	-
TOEFL	-	18	18	15	11
GMAT	-	18	18	15	13
GATE/PGECET	27	37	36	34	32

5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as * additional academic support, flexibility in examinations * special dietary requirement, sports uniform and materials * any other.

Additional academic support and flexibility in examinations

Active participation and strong involvement of students is encouraged in sports, cultural activities, extracurricular events and NSS programme.

Some of the activities undertaken under NSS programme are

- Anti-ragging awareness programme
- Tree plantation
- Free eye testing and medication camp
- AIDS awareness programme
- Fire- Safety awareness programme

Providing attendance exemption and conducting special classes for the students who participate in such events

Sports:
Special dietary requirements, sports uniform and materials

- College provides sports uniform and sports kit to the participating students
- There is a separate training facility for women participants in intra and inter institutional sports competitions.
- Special dietary requirements as specified is also provided under the supervision of the physical director. TA and DA are provided to the participants in outside tournaments.

5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

- An independent Training and Placement (TAP) department has been established with its central office in Chittoor and a liaison office at Hyderabad
- The TAP fully devotes its time to cater to the needs of students for better placement
- TAP is headed by training and placement officer supported by a professor, associate professor and department co-ordinators
- TAP has been grooming the students by organizing various programmes like group discussions, HR interaction sessions, communication skills programmes and mock interviews and so on.
- It has adapted latest advancements in the digital Electronics to enable e-learning in its educational complex at Chittoor. The students are provided with a well-designed welcome kit. They have option of procuring a branded Wi-Fi enabled laptop at subsidized cost.
- Online lectures by eminent acdemicians of various reputed universities both from India and abroad through video conferences are arranged exposing the students to give a head start in this competitive world.
- Counseling and personality development programmes are also arranged.

5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).

Academic Year	Number of Companies	Number of students selected
2013-14	35	143
2014-15	16	75
2015-16	16	379
2016-17	46	395

5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?

YES

The Alumni association of the college contributes actively to the welfare of the student community of the institution. The alumni meeting are organized once in a year by all the departments. Illustrious and prominent alumni are invited to deliver special lectures motivating the students to go for higher education and to find the avenues for job opportunities. All the departments have an alumnus as member of Board of Studies. Their valuable suggestions are taken into consideration in designing and updating the curriculum to cater to the needs of industries.

5.1.14 Does the College have a student grievance redressal cell? Give details ofthe nature of grievances reported and how they were redressed.

YES

The College has a student Grievance Redressal Cell and the grievances are conveyed to HoD, Deans and Principal. Students can report grievances through the grievance boxes kept in the campus.

Some of the Grievances reported
- Extending the working hours of the library
- Better catering service in the canteen
- Purified Drinking Water facility

A record of the grievances and redressal measures taken are maintained by the convener of the Grievance Redressal Cell. Grievances mentioned above are redressed by the cell with due representation to the management.

5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?

YES

A women's cell is constituted in the college having female faculty member and girl student members from B.Tech, M.Tech, MCA and MBA.

The cell receives complaints, conducts enquiries and recommends suitable action to be taken by the administration in consultation with law and order machinery.

5.1.16 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

There is an anti-ragging committee. Efforts taken by the college has ensured that there are no major complaints and the college is a ragging-free campus.

Objectives & Activities:

➢ Creating ragging free atmosphere on and off the campus.
➢ Seniors are expected to maintain self-imposed discipline and restraint. In particular, they must be careful about maintaining cordial relations among students for fulfilling organizational mission and objectives.
➢ Creating awareness among students regarding how the self confidence of the individual influences the national interest.
➢ The Convener has conducted several meetings with Anti Ragging Committee members and steps taken to have a ragging free environment.
➢ Anti-ragging squads comprising of faculty members, non-teaching staff and senior students have been formed to make surprise visits to sensitive locations within and outside the campus.
➢ Poster competition on the ill-effects of ragging is organized at the beginning of every academic year among senior students. Good posters selected are displayed in the college to create awareness among the students about the ill-effects of ragging.
➢ The government order indicating the punishments for different cases of ragging (fine, imprisonment etc.,) is prominently displayed in the college and hostel premises.
➢ Police and magistrate address the senior students regarding the provisions of the law in the beginning of the every academic year.
➢ Instances of Ragging

5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research, community orientation, etc.?

The College elicits co-operation from all stakeholders through the following activities.

➢ Students are motivated in curricular aspects by prominent alumni and suggestions of the alumni are taken into consideration for their improvement.
➢ Motivation and guidance by eminent scientists and researchers regarding the summer projects and fellowships.
➢ Coaching rendered by experts.
➢ Leadership training and conduct of competitions in NSS Camp by Soft Skill Trainers.
➢ External Judges are invited for Fine Arts Competitions.

➢ Well wishers of the college are invited to be members of the Governing Body, Academic Council and other non-statutory bodies.

5.1.18 What special schemes / mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc.?

Sports:

➢ The College has provided necessary infrastructure that helps the students to inculcate good habit of participating in sport activities and also to develop sportsmanship and comradeship. The college has provided necessary facilities for outdoor games namely Cricket, Volleyball, Football, Netball, Basketball, Ball Badminton, Hockey, Kho-Kho, Kabbadi, Athletics and Tennis.

➢ The college is provided with indoor facilities for Table Tennis, Caroms, Chess and Weight Lifting and training.

➢ Annual intramural competitions in various games and sports are being conducted for the students.

➢ The college has been conducting frequently JNTUA, University inter collegiate tournaments.

➢ The college teams won Tennis, Table Tennis, Cricket, Foot Ball, and Kabbadi.

➢ Badminton, Athletics and Chess at JNTUA intercollegiate and other tournaments.

➢ Till date about fourty students of the college represented the JNTUAInter University tournaments.

➢ The Physical Director of the Institution has been appointed as Manager cum Coach for JNTUA Teams to participate Inter University Tournaments on number of occasions.

Activities in Campus:

The NSS Units in the college are very active and the following activities have been carried out.

➢ Morals on hygienic environment
➢ Tips to rural youth about self-employment
➢ Anti ragging awareness programme
➢ Tree plantation
➢ Free eye screening camp
➢ Swatchh Bharat
➢ Training for the surrounding rural youth for self employment
➢ Safe drinking water scheme.
➢ AIDS awareness programme, I-Technofest, a national level programme for paper presentation, poster presentation and quizzes is organized annually
➢ Every department has an association which conducts technical quizzes, seminars and arranges guest lecturs on topics of interest.
➢ ISTE Students and Faculty Chapter of the college arrange lectures at frequent intervals.
➢ Red cross society, Chittoor organizes blood donation camps in the college campus at regular intervals
➢ Sports meet and youth festival (SELESTA) are organized in every year
➢ Harika memorial association conducts competitions connected with literacy programmes.

5.1.19 How does the College ensure participation of women in 'intra' and 'inter' institutional sports competitions and cultural activities? Provide details of sports and cultural activities in which such efforts were made?

Outstanding

Sports Persons Participated in South Zone Inter-university Tournaments/JNTUA Inter University Selection Trails/JNTUA Intercollegiate Games Meet/JNTUA Athletic Meet.

Students- Represented University at All India / Southzone Inter - University Tournaments

Academic Year	Number of Participants	Number of Events	Achievement	Number of institutions organized
2016-17	43	23	10	20
2015-16	26	5	01	10
2014-15	15	6	0	2
2013-14	21	9	0	3

5.2 Student progression

5.2.1 Provide details of programme-wise success rate of the college for the last Four years. How does the college compare itself with the performance of other autonomous Colleges/Universities (if available?)

U.G (Success Rate in Percentage)

Academic Year	CE	EEE	ME	ECE	CSE	IT
2015-16	66.16	69.16	72.53	76.96	85.0	84.84
2014-15	64.91	76.78	77.44	75	62.83	56.81
2013-14	67.12	82.82	64.93	75.91	87.91	78.43
2012-13	64.12	93.90	67.77	71.81	95.83	55.55

P.G.(success rate in percentage)

Academic Year	PE&ED	CAD/ CAM	VLSI	DECS	ES	SE	CSE	MCA	MBA
2015-16	57.14	100	100	60	91.66	93.34	100	96.70	90.67
2014-15	50	20	85	75	70.59	50	18.5	90.52	90.76
2013-14	86.20	-	--	--	--	--	76.92	100.00	-
2012-13	82.01	83.33	95.00	100.00	90.00	100	82.52	100.00	100.00

5.2.2 Provide the percentage of students progressing to higher education oremployment (for the last four batches) highlight the observed trends.

UG Programme:

Civil Engineering

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	74	45	42	15
PG to PhD	-	-	-	-
Employed on and off campus	07	37	35	20

Electrical & Electronics Engineering

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	-	20	55	40
PG to PhD	-	-	-	-
Employed on and off campus	55	40	45	37

Mechanical Engineering

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	--	20	15	30
PG to PhD	02	--	--	-
Employed on and off campus	72	25	20	71

Electronics & Communication Engineering

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	10	27	42	40
PG to PhD	-	--	-	-
Employed on and off campus	64	30	43	36

Computer Science Engineering

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	10	10	10	25
PG to PhD	01	--	-	-
Employed on and off campus	55	15	39	40

Information Technology

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	--	5	8	16
PG to PhD	--	--	-	-
Employed on and off campus	--	--	27	35

PG Programme

Electrical & Electronics Engineering (Power Electronics & Electrical Drives)

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	40	-

Mechanical Engineering (CAD/CAM)

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	--	-
Employed on and off campus	--	--	50	60

Electronics &Communication Engineering (VLSI)

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	40	-

Embedded Systems

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	60	-

DECS

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	40	-

Computer Science & Engineering (CSE)

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	76	81

Information Technology (Software Engineering)

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	--	--	80	-

MBA

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	13	--	24	20

MCA

Student Progression	2016-17	2015-16	2014-15	2013-14
PG to PhD	--	--	-	-
Employed on and off campus	02	--	22	21

5.2.3   What is the Programme-wise completion rate / dropout rate within the time span as stipulated by the College / University?

U.G (completion rate in Percentage)

Academic Year	CE	EEE	ME	ECE	CSE	IT
2015-16	66.16	69.16	72.53	76.96	85.04	84.84
2014-15	64.91	76.78	77.44	75	62.83	56.81
2013-14	67.12	82.82	64.93	75.91	87.91	78.43
2012-13	64.12	93.90	67.77	71.81	95.83	55.55

P.G (completion rate in Percentage)

Academic Year	PE&ED	CAD/CAM	VLSI	DECS	ES	SE	CSE	MCA	MBA
2015-16	57.14	100	100	60	91.66	-	100	96.7	90.67
2014-15	50	20	85	75	70.59	50	18.5	90.52	90.76
2013-14	86.2	--	--	--	--	--	76.92	100.00	-
2012-13	82.01	83.33	95.00	100.00	90.00	100	82.52	100.00	100.00

The dropouts, because of marriage, migration of parents, on request or re-admitted to complete their studies

5.2.4 What is the number and percentage of students who appeared / qualified in examinations like UGC – CSIR – NET, UGC – NET, SLET, GATE / CAT / GRE / TOEFL / GMAT / Central / State services, Defense, Civil Services, etc.

Number of students, who qualified in the Examinations like UGC – CSIR – NET, UGC – NET, SLET, GATE / CAT / GRE / TOEFL / GMAT for the last five years

Name of the Examination	No. of Students Appeared for Examination						No. of Students Qualified for Examination					
	CE	EEE	ME	ECE	CSE	IT	CE	EEE	ME	ECE	CSE	IT
GRE	-	-	-	-	-	-	-	-	-	-	-	-
TOEFL/ IELTS	-	-	-	-	-	-	-	-	-	-	-	-
GMAT	-	-	-	-	-	-	-	-	-	-	-	-
GATE / PGCET	150	600	513	631	350	122	16	110	12	187	06	17
CAT	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-

5.2.5 Provide details regarding the number of Ph.D. / D.Sc. / D.Litt. thesis submitted, accepted, resubmitted and rejected in the last four years.

In the current academic year the college has submitted proposal to JNTUA, Anantapuramu to establish Research Centre in the college. After getting approval from JNTUA, the Ph.D. Programme will be commenced in all the Departments.

5.3 Student Participation and Activities

5.3.1 List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and programme calendar.

Sports and Games
Indoor facilities available:
Table Tennis, Caroms, Chess, weight Lifting, Shuttle Badminton, Gymnasium are available.

Outdoor facilities available:
Cricket, Football, Hockey, Volleyball, Basket ball, Throwball, Ball Badminton, Kabaddi, Kho-Kho, Tennikoit, Athletics.

Academic year	Number of events	Number of participants	Number of institutions organized
2016-17	23	48	20
2015-16	10	22	10
2014-15	6	16	7
2013-14	8	12	9

.
5.3.2 Provide details of the previous five years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc.

Co-Curricular Activities such as paper presentation/Technical paper/Model building/work shop.

Academic year	Department	Number of participants	Awards/Prizes
2016-17	EEE	40	10
	CSE	15	04
	ECE	10	03
	IT	09	01
	MBA	03	03
	MCA	10	04
2015-16	ECE	1	
2014-15	EEE	8	
	CSE	16	2
	IT	5	1
2013-14	EEE	21	
	CSE	34	-
	IT	4	-
	ECE	4	2

Extra Curricular Activities:

Sports and Games:-

Academic year	Number of students	Number of events	Number of institutes organized
2016-17	43	23	20
2015-16	5	2	3
2014-15	6	5	5
2013-14	3	3	3

Cultural Activities:-

Academic year	Number of Teams	Number of events	Award/ Prize	Number of institutes organized
2016-17		15	04	
2015-16	5	3	-	5
2014-15	4	3	-	4
2013-14	8	5	8	3

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

The institution collects feedback from all the outgoing students of the UG and the PG programmes annually through a carefully designed questionnaire on various aspects of the academic programmes - teaching and learning resources, teaching and evaluation techniques, evaluation of teachers' performance, the rapport between the staff and the students, curricular aspects, physical facilities etc. The consolidated feedback of the students indicates the good practices of the college.

5.3.4 **Does the College have a mechanism to seek and use data and feedback from its graduates and employees, to improve the growth and development of the College?**

YES

➢ The feedback from the graduates is obtained once in year in the alumni meeting.
➢ Informal feedback is obtained from the employers during campus drive. Based on the feedback and suggestion obtained, new courses are introduced updating of the syllabus of existing courses in undertaken
➢ A member from industry and an alumnus are included as members of BOS in the departments.

5.3.5 **How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications / materials brought out by the students during the previous academic session.**

The students of the college are always encouraged to take up the activities like poster design, wall magazines especially in the areas of evils of ragging, prevention of ragging etc.,

Students also exhibit their skills and innovative ideas while conducting fresher's day, annual day and the prizes are given to the best contributions. Also helpful are the frequent workshops, conferences conducted in the college or else where it is also proposal to commence a college magazine to be released annually which can show case students creative writing, innovative ideas and suitable prizes are awarded to strengthen such activities.

5.3.6 **Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.**

Student council as such does not exist. Instead, various bodies like
1. Grievance cell
2. Sports body and
3. A body for monitoring cultural activities exist

The head of the institution shall be the patron for all these bodies with heads of departments, physical director, faculty & students acting as members. The funding is provided by the management for encouraging students to exhibit their skills.

5.3.7 **Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.**

YES

The College has the following academic and administrative bodies that have the student representatives. The functions of each committee are given in detail.

Grievance appeal Committee Members

S. No	Name	Designation	Role
1.	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2.	Dr. T. Devaraju	HOD, EEE	Member
3.	Dr. T.Sunil Kumar Reddy	HOD, CSE	Member
4.	Prof. N. Senthil Kumar	HOD,MCA	Member

5.	Mr. T. Raghunadha Reddy	Librarian	Member
6.	M.Thulasi Rao	Student	Member
7.	B.Suresh	Student	Member

Functions

1. To receive Grievance from faculty, staff and students/parents.
2. To find the root caused for that grievances.
3. To suggest remedial and preventive measures.
4. To review the suggestions / complaints raised by the students during periodical counseling.
5. To review the outgoing students feedback.

Library Committee Members

S. No	Name	Designation	Role
1	Prof. S.R. Rajkumar	Professor, IT	Convener
2	Mr. Y. N. Vijayakumar	Associate Professor, EEE	Member
3	Mr. K. Thayagarajan	Associate Professor, CSE	Member
4	Mr. B. Damodhar Reddy	Associate Professor, CE	Member
5	Mr. R. Reddiprasad	Asst. Professor, ME	Member
6	Mr. T. Raghunadha Reddy	Chief Librarian	Member
7	Ms.K.Joshna	Student	Member
8	Mr.K.Mahesh	Student	Member

Functions

1. To prepare the lists of books/journals as per the requirement of various departments.
2. To suggest improvements to run the library smoothly, orderly and satisfactorily.
3. To suggest the fine structure for the late returning of books.
4. To suggest the punishments to be awarded for the students violating the rules and regualations of the library.

Student welfare Committee Members

S. No	Name	Designation	Role
1.	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2.	Mr. A. R. Babu	Associate Professor, ME	Member
3.	Mr. J. C. Naidu	Associate Professor, ECE	Member
4.	Mr. J. Velmurugan	Asst. Professor, CSE	Member
5.	Mr. A. M. Rangaraj	Asst. Professor, MCA	Member
6.	Mr.A.Venkatapathi	Student	Member
7.	Ms.P.Padmaja	Student	Member

Functions

1. Scrutinize the applications received from the students for welfare scholarships and recommend to the welfare office.
2. Scrutinize the request from the students and recommend to the management for financial support to deserving students.
3. Recommend to the governing body for the institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.

Co curricular Activities Committee Members

S. No	Name	Designation	Role
1.	Dr. T. Devaraju	HOD, EEE	Convener
2.	Dr. Lokesh Krishna	Associate Professor, ECE	Member
3.	Mr. S. Nagaraju	Associate Professor, ECE	Member
4.	Smt. G.B. Himabindhu	Asst. Professor, IT	Member
5.	Mr. K. Dasaratha Rami Reddy	Asst. Professor, CSE	Member
6.	Mr. M. Suresh Kumar	Asst. Professor, MBA	Member
7.	Mr.K.Theja	Student	Member
8.	Ms.E.Sadhana	Student	Member

Functions
1. To suggest various co curricular activities to be organized in an academic year.
2. To suggest various improvements for the existing bodies such as an ISTE student chapter, IEI student chapter, etc.,
3. To prepare proposals for conducting state level and national level events in co-curricular activities.
4. To finalize a budget to conduct various activities in an academic year and submit to the principal for his approval.
5. Preparation of list of guest lecture programmes.
6. Conduct of seminars, paper contests, quizzes etc.,

Extracurricular Activities Committee Members

S. No	Name	Designation	Role
1.	Mr. A.R. Babu	Associate Professor, ME	Convener
2.	Mr. Y.N Vijaya Kumar	Associate Professor, EEE	Member
3.	Mr. M. Satheesh Reddy	Asst. Professor, Civil	Member
4.	Smt. M. Chitra	Associate Professor, ECE	Member
5.	Smt. Jyotheswari	Asst. Professor, CSE	Member
6.	Mr. M. Satish Kumar	Asst. Professor, MCA	Member
7.	Mr. K. Mahesh Naidu	Asst. Professor, ME	Member
8.	Smt. C. K. Selvi	Asst. Professor, HAS	Member
9.	Mr. M. Subramanyam	Asst. professor, EEE	Member
10.	Dr. K. Giribabu	Asst. Professor, MBA	Member
11.	Smt. G.B. Himabindu	Asst. Professor, IT	Member
12.	Mr. G. B. Reddy	Physical Director	Member
13	Ms.V.Harathi	Student	Member
14	Mr.P.Mukhaid Basha khan	Student	Member

The convener may also Co-opt one student member each from I, II, III & IV B. Tech, M. Tech, MCA & MBA classes and four girl students.

Functions
1. To suggest and organize various cultural activities to be organized in an academic year
2. Plan and organize various activities on behalf of NSS/NCC and encourage students / staff to participate in NSS, NCC, Blood donation camps, Flood relief camp etc.,
3. To prepare sports calendar and an action plan to implement the same.

4. To suggest the methods which encourage students and faculty to utilize sports and games facilities available in the college.
5. To take up the responsibility of preparing the budget estimate, requirement of infrastructure and equipment, maintaining the equipment and play fields.
6. Selection of teams to represent the college in inter-collegiate tournaments and also the intramural tournaments.
7. To prepare the details of attendance exemption to be given to the students representing college in various sports and games at other colleges / universities.
8. To increase the cordial relations between students and faculty by organizing exhibition games between the teams of students and faculty wherever possible.

Planning & Evaluation committee Members

S. No	Name	Designation	Role
1	Dr. P.Bhaskar	Principal	Convener
2	Dr. M. Muralidhar	Director	Member
3	Dr. B. Kotaiah	Dean (CE)	Member
4	Dr. O.V.K Chetty	Dean (ME)	Member
5	Dr. E. Lokandha Reddy	Vice Principal (Admin)	Member
6	Dr. K. Subramanyam Reddy	Dean HAS	Member
7	Dr. T. Devaraju	HOD, EEE	Member
8	Dr. B. Damodhara Reddy	HOD, CE	Member
9	Sri. S.R. Rajkumar	HOD, IT	Member
10	Dr. T. Sunil Kumar Reddy	HOD,CSE	Member
11	Dr. Suman Mishra	HOD, ECE	Member
12	Mr. T. Raja Reddy	HOD, MBA	Member
13	Sri. N. Senthil Kumar	HOD, MCA	Member
14	Dr. K. Komala	HOD,HAS	Member
15	Mr.Chaitanya Kumar	Student	Member
16	Mr.A.Siva Prasad	Student	Member

Functions
1. Academic planning & Academic audit.
2. To send proposals to AICTE, UGC etc., for continuation of approval / introduction of new courses.
3. To send the proposals to University for extension of affiliation.
4. To co-ordinate among the departments to apply for various schemes/grants to AICTE, UGC etc.,

Research consultancy and Faculty Development Committee Members

S. No	Name	Designation	Role
1	Dr. P.Bhaskar	Principal	Convener
2	Dr. M. Muralidhar	Director	Member
3	Dr. B. Kotaiah	Dean (CE)	Member
4	Dr. K. L. Narayana	Dean (R&D)	Member
5	Dr. O.V.K Chetty	Dean (ME)	Member
6	Dr. C. Narayana Reddy	Dean (EEE)	Member
7	Dr. M. Sudhakara Reddy	Dean (ECE)	Member
8	Dr. U. Harinath	Professor (ME)	Member

9	Dr.A.V. Narasimha Rao	Dean, Academics	Member
10	Dr.K.Ravindranath	Professor (ME)	Member
11	Dr.G.Venkateswarulu	Professor (HAS)	Member
12	Dr. A. Mahamani	Professor (ME)	Member
13	Mr. G. Bhaskar	Professor (MBA)	Member
14	Dr. K. Subramanyam Reddy	Dean HAS	Member
15	Dr. G. Surya Narayana Reddy	Professor (ECE)	Member
16	Dr. S. Latha	Professor (ECE)	Member

Functions

1. To coordinate the research and consultancy activities among the departments in the college.
2. Scrutinize the research projects submitted by the faculty members, and recommend the deserving projects to the appropriate funding agencies for financial support.
3. Scrutinize the student's project proposals to various agencies for financial support and recommend the suitable projects.
4. Examine the applications received from the faculty members/students for patents/awards and recommend to the concerned authorities.
5. Examine the research consultation projects and recommend the suitable projects.

Training and Placement Committee Members

S. No	Name	Designation	Role
1.	Dr. U. Harinath	Professor, ME	Convener
2.	Mr. T. V. Rao	Director T & P	Member
3.	Prof. S.R. Rajkumar	TAP Officer I/c	Member
4.	Mr. J. Velmurugan	Asso. Professor, CSE	Member
5.	Mr. S. Murali Mohan	Asst. Professor, ECE	Member
6	Mr.T.Umesh	Student	Member
7	Ms.M.Hema	Student	Member

Convener may also co-opt two student members each from III-B.Tech, IV-B.Tech, M.Tech, MCA & MBA

Functions

1. To help the T & P Officer to maintain contacts with alumni.
2. To help the T & P Officer to organize the various activities like written test, group discussion, technical interviews, H.R interview.
3. To organize activities aimed at improving Institute- Industry Interaction.
4. To conduct soft skills training programmes of the respective departments.

Women's Cell Members

S. No	Name	Designation	Role
1	Smt. C. Umamaheswari	Asst. Professor, ME	Convener
2	Dr.K. Komala	HOD, HAS	Member
3	Ms. M. Chitra	Associate Professor, ECE	Member
4	Ms. D. Hima Bindu	Asst. Professor, EEE	Member
5	Smt. P. Jyotheeswari	Asst. Professor, CSE	Member
6	Ms. M. Sharmila	Asst. Professor, ECE	Member

| 7 | Ms.P.V.Durga Priya | Student | Member |
| 8 | Ms.V.Gowthami | Student | Member |

They can also Co-opt four girl student members from B.Tech, M.Tech, MBA & MCA

Functions
1. To receive complaints, if any, from the lady staff and girl students who have been subject to sexual harassment.
2. To keep all records intact and in proper order of the complaints received.
3. To enquire into such complaints and establish the facts.
4. To keep an elaborate process document of each case describing the methods adopted and the settlement reached in solving the problem.

Disciplinary Committee Members:
The following members are constituted as disciplinary committee, to look into various aspects of student discipline in the college.
1. Mr. K. Thyagarajan, Associate Professor, Dept of CSE, Convenor
2. Mr. S. Nagaraj, Associate Professor, Dept of ECE, Member
3. Mr. G. Sudharshan Reddy, Associate Professor, Dept of ME, Member
4. Mr. C.B. Saravanan, Assistant Professor, Dept of EEE, Member
5. Mr. K. Aravind, Assistant Professor, Dept of IT, Member
6. Mr. Th. Jagat Singh, Assistant Professor, Dept of Civil Engineering, Member
7. Mr. G. Dhanasekhar, Assistant Professor, Dept of MCA, Member
8. Mr. A. Srinivasulu, Assistant Professor, Dept of MBA, Member
9. Mr.K.Pavan Kumar, Student, Member
10. Mr.A.Chandana Priya, Student, Member

Functions of the Disciplinary Committee Members:
1. To maintain and enforce strict discipline in the college campus.
2. To enforce strict dress code among students.
3. To enforce total prohibition of Mobile Phone usage by the students inside the College Campus. If a student is found carrying Mobile Phone, the Mobile phone needs to be confiscated & returned to the Principal.
4. To Monitor the movement of the students in the College and prevent students loitering around in the corridors during the College working hours.
5. To ensure that all the students attend classes without bunking and prevent the Students from leaving the College early without prior permission of the higher authorities (Gate pass issued needs to be produced)
6. To ensure that students maintain utmost silence in the Library.
7. To maintain proper discipline in the college Canteen, Student Waiting Room, Corridors and the Student Mess during the College Working hours.
8. To assist the college anti-ragging committee in preventing ragging in the College and to spread anti- ragging campaign throughout the student community.
9. To recommend suitable disciplinary action against any student if found indulging in acts of indiscipline, beyond doubt.

Students Participation in various committees

S.No	Name of the Committee	Basic function of the Committee	No of Students involved
1.	NSS Unit - I	Organizing Blood Donation Camps, Free Eye Camps, Literacy Drives and other welfare Activities	125
2.	NSS Unit - II	Organizing Blood Donation Camps, Free Eye Camps, Literacy Drives and other welfare Activities	125
3.	Helping Hands	Helping Poor and Needy in terms of Money, Kind and Services	110
4.	Anti Ragging Committee	To Prevent Ragging inside and outside of the campus	16
5.	Disciplinary Committee	To Maintain the Discipline among the student community inside the campus	8

CRITERION – VI
GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the college

Vision

Carving the youth as dynamic, competent, valued and knowledgeable professionals, who shall lead the Nation to a better future.

Mission

- Providing quality education, student-centered teaching-learning processes and state-of-art Infrastructure for professional aspirants hailing from both rural and urban areas.
- Imparting technical and management education to encourage independent thinking, develop strong domain knowledge, hone contemporary skills and develop positive attitude towards holistic growth of young minds.
- Evolving the Institution into a Center of Academic and Research Excellence.

6.1.2 Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, college's traditions and value orientations, vision for the future, etc?

YES

Under the guidance of the founder Mr. Ravuri Venkataswamy, a respected personality in the field of establishing quality educational institutions, SVCET was established with a vision to shape dynamic students with technical and professional education to stand competent in the fast growing world. Institution is well equipped with laboratories, class rooms and library, to impart quality education to the talented students striving for excellence in their academic career. The institution has been actively taking part in encouraging talented students from rural areas and availing equal opportunities and facilities to work hard and study on par with urban students. Backed by a team of professionally qualified faculty, their creative and methodical planning of curriculum and their expertise in the respective fields have been the strong pillars for the Institution's success. SVCET has also acquired all the facilities to educate students according to the industrial requirements. The academic curriculum of every semester is designed to enhance student's technical knowledge and keep them updated with present technological advancements in the Industries of various fields.

Since 1998, SVCET has grown rapidly, providing quality education on par with today's established institutions in the country. Situated near to the internationally recognized pilgrim place of Lord Sri Venkateswara, Tirupati, having the advantage of being placed in the vicinity of beautiful scenic area in Chittoor district, SVCET has suitable environment to conduct various activities which are helpful in nurturing the students to grow independently with a distinctive individual personality.

Adding to the outstanding performance since inception, the Institution has attracted talented students from different parts of the country. Its credentials have spread not only within the country but have also helped in attracting foreign students especially from the third world countries to stay and study in the institution premises. The multi-

cultural environment helps the national and international students to reduce the gap between economic & cultural differences of various international students.

The product of SVCET will be well versed with technical and corporate fields, thus becoming thoughtful and beneficial to the global society. These credentials speak about the commitment the institution has shown in delivering the long term objectives.

- The first and foremost mission of establishing the institution is to bestow quality technical education to the students shaping them into a technically skilled individual to serve the community worldwide.
- The institution is profoundly committed to nurture and develop soft and managerial skills to cater the needs of industrial requirements.
- The institution encourages students and staff to work in research oriented areas, bringing out the innovative thinking out of the young minds.
- The college cultivates leadership and decision making skills to the students by allowing them to participate in extra-curricular activities, technical fests etc.
- The college maintains its standards to inculcate moral and ethical values among the students, focusing on the importance of good character and positive approach towards various walks of life.
- Multi-cultural and diversified environment of the institution make the students to be responsible global citizens, thus developing the culture of brotherhood and integrity.
- The institution organizes humanitarian welfare camps, environmental awareness camps on regular basis to develop there as service oriented, reminding them about the importance of service to mankind.
- The institute encourages Entrepreneurship and has separate cell, which conducts entrepreneurship and business development programmes to train the students to become successful Industrialists, helping the country in its future economic growth and development.

6.1.3 How is the leadership involved in -
  ➤ **Ensuring the organization's management system development, implementation and continuous improvement.**

Flowchart of the Organizational Hierarchy and Leadership at SVCET is as follows:
Organization Chart Of Svcet (Autonomous), Chittoor

```
                          ┌──────────────┐
                          │  Management  │
                          └──────┬───────┘
                                 ▼
                          ┌──────────────┐
                          │   Director   │
                          └──────┬───────┘
                                 ▼
        ┌──────────────┐   ┌──────────────┐
        │    Deans     │◄─►│  Principal   │
        └──────────────┘   └──────────────┘
```

| Vice Principal | | Controller of Exams |

Management → Director → Principal ↔ Deans

Vice Principal ↔ Controller of Exams

Admin Officer

Office Superintendents

Clerical & Secretarial Staff

Maintenance

House Keeping

Physical Education

Transport

NSS

International Relations

Hostels

Librarv

TAP Cell

R & D Cell

HODs

Exam cell

Teaching Staff

Non Teaching Staff

Technical Support Staff

Programme Coordinator

Module Coordinator

The Governing body of the institution takes care whether the agendas mentioned in Vision and Mission of the institution are in line with the objectives of higher education policy of the country, where the aim is to provide high quality education to the utmost satisfaction of all stakeholders.

Plans for continuous improvement are implemented as given below:

Streamline the admission process (UG and PG level):

Seats under category-A (70%) are filled by the regular admission procedure through web counseling conducted by the Andhra Pradesh State Council of Higher Education, Government of Andhra Pradesh giving representations to all categories (OC,B.C, S.C, S.T, and OBC, Sports, disabled and physically challenged etc.) as per the rules.

Seats under category-B (30%) under management quota are filled as per the guidelines given in the G.O by Andhra Pradesh State Council of Higher Education, Government of Andhra Pradesh.

Seats under PIO- category (15%) are filled as per the guidelines of Technical Education, Government of Andhra Pradesh.

Assessment procedure to find the need for staff recruitment:
Based on the incremental rate of intake approved by AICTE or in the case of faculty requirement, HOD of every department puts a regular check on the number of staff required for the department and informs the Principal of the college whenever necessary.

The staff recruitment process:

1. **Introduction:**
   The vision of SVCET, Chittoor is translated into an organizational goal to identify, recruit and retain highly qualified, talented, and diverse faculty / staff, for all academic purposes.
   The recruitment of faculty / staff is a vital activity at SVCET, Chittoor. The Staff Selection Committee is constituted specifically for governing the recruitment procedure.
   The process of recruitment includes:
   1. Search for prospective candidates
   2. Short listing of prospective candidates
   3. Preliminary Selection – Staff Selection Committee
   4. University Ratification of the Selected Candidates

2. **Search for Prospective Candidates:**
   The search for prospective candidates is implemented in the following ways simultaneously:
   - Advertisements are published in the leading Telugu and English dailies listing the openings.
   - Eligibility criterion, scale of pay and other conditions are displayed in the Advertisement.
   - The candidates have to satisfy the eligibility criteria to the next stage of process.

3. **Application Procedures:**
   - ➢ The application can also be downloaded from the website and should be submitted along with all necessary enclosures to the Administrative Office, on or before the scheduled date.
   - ➢ Retired personnel from teaching/industry and R&D are encouraged to apply for the posts.
   - ➢ The application should include all the relevant authenticated data with photo copies of all certificates. Separate application is to be submitted in the event of candidates applying for more than one category of post.
   - ➢ Candidates, who had applied for the same posts before, have to apply afresh again the conditions are as per the AICTE/ UGC norms.

4. **Short listing of prospective candidates:**
   Received applications will be sent to the respective HODs by the Administrative Office, for short listing. The objective of short listing has two folds
   a) To reject applications that do not meet the eligibility criteria.
   b) Shortlisted candidates will be called for interview.
   c) The HOD concerned shortlists the candidates based on the requirements of the respective department. The resumes of the shortlisted candidates are further ranked in the order of merits by the HOD and sent to the Administrative Office along with his comments and observations for the next level of the Recruitment Process.

5. **Staff Selection Committee:**
   The Selection Committee consists of the following for each department.
   a. Head of the Institution /Principal - Chairman of the Selection Committee
   b. Representative of the Management - Member of the Selection Committee
   c. HOD of the Department - Member of the Selection Committee
   d. Subject Expert - Member of the Selection Committee

   The committee will evaluate the suitability of prospective candidates for a specified position. Based on their observations, the committee will recommend the list of selected candidates. The successful candidates are issued offer letters with a 15 days of time frame to accept the offer. After receiving acceptance letters from the candidates, the appointment orders are issued to them. The principal of the Institution has a veto in the selection.

6. **University Ratification**
   A Committee with the following members is constituted under the chairmanship of the Vice Chancellor of the affiliating university, to monitor the ratification procedure. The members of committee are:
   1. Subject Experts (2 to 3)
   2. Principal of the affiliated Institution
   3. Secretary or Nominee of the Correspondent
   4. Nominee of the Commissioner of Technical Education
   5. Registrar of the affiliating university
   6. Director of Academic and Planning of the affiliating university

The Committee interviews the candidates and recommends the list of selected candidates to the institution. The process involves appointing newly ratified faculty and also ratifies the services of the existing faculty.

The procedure is carried out on a regular basis, as per the requirement.

7. **Qualification / Experience / Pay Scale for Faculty & Staff:**

The Minimum Qualification and Experience prescribed for Faculty of Engineering / MBA / MCA is as per AICTE /UGC norms Scale of Pay for Faculty of Engineering / MBA & MCA is as per AICTE /UGC norms Minimum Qualification and Experience prescribed for Non-Teaching (Technical & Administrative) Staff as per State Government Rules.

Scale of Pay for Non-Teaching (Technical & Administrative) Staff is as per State Government norms

Streamline the Academic Activities:

The Principal conducts the academic council meeting to discuss the present needs of the industry, skill sets to be acquired by the student, designing the curriculum, effective teaching - learning processes etc.

The Principal holds regular meetings with HODs and discuses all academic matters. The Principal ensures the conduct of the Board of Studies meetings for all departments and common BOS for making changes in the curriculum. The Principal will take the decisions in consultation with the Controller of Examinations about the conduct of examinations and evaluation of answer scripts as the college is Autonomous.

Streamline the Budget & Financial needs:

The HODs of all the departments and Conveners of various committees conduct regular Budget and Financial meetings and prepare the required budget under different headings for maintenance/repairs & purchase of new equipment, furniture, in house research and library etc. Later, forward the proposal to the Department Developmental Committee (DDC) and concerned faculty members for valuable suggestions. These budget proposals are put forth on the Principal's desk during HODs meeting and then sent to the Finance committee for approval. The approved proposals will be sent to the management for necessary action.

Optimal utilization of budget:

The yearly budget is prepared according to the needs & requirements of the departments based on annual intake of students, laboratory & infrastructure developments. Formal budget estimates will be prepared by each department and will be reviewed in HODs meeting with the Principal.The final budget is sent to Management for approval and sanction.

Interaction with stake holders:

The institution has created a functional body through online portals for the Alumni, Parents and concerned employers requesting our students to send feedback and additional information for scope of any improvement in the SVCET performance. The feedbacks are channelized to the Principal and HODs for further scrutiny and bring any possible changes as suggested by our stakeholders for the betterment of the institution. This regular feedback from students on Academics and Amenities is collected at the end of each semester and appropriate corrective action is taken.

1. Student's feedback is considered to introduce innovative teaching and learning methodologies and elective courses to meet current trends.
2. Faculty members are involved invarious committees to implement and check the consistency of the programme and provide inputsfordesigningtheprogramme, PEOs/Pos establishment, Course Objectives and assessment.
2. They are the measure of the long-term success of our programme.
3. Alumni feedback helps in curriculum design to incorporate recent trends in engineering.
4. Recollect their existence during their study and advise the department with necessary inputs for better student careers.
5. Gives higher focus to the programme on future data to create awareness with current industry.

Parents will expect their wards in good professional career or higher studies.

Rein forcing culture of excellence.

Reinforcing student centric learning, research & innovation, patenting etc. is carried out to achieve culture of excellence. The Principal, in consultation with the HODs and Deans, plans the academic activities to bridge the knowledge gap through industry oriented add-on courses, guest lectures by leading academicians & industrialists and frequent visits of students to industries. The institution encourages the students and faculties to represent the Institution at various conferences, technical paper presentations and Industry Institution Interaction meetings.

Entrepreneurship Development Cell aims to improve and generate a culture of innovation and development of entrepreneurial spirit amongst the students and budding entrepreneurs start their own enterprise. It also attempts to train and equip them with the knowledge and resources needed to build successful business.

Facility:

Entrepreneurship cell is attached with the training & placement cell

- ➢ No. of chambers : 01
- ➢ Full time officers: 01
- ➢ Full time trainers: 01
- ➢ Non-teaching: 01(Attender)

Incubation MOUs:

The institute has MOU with various Institutes which are shown as follows:

1. University of Massachusetts
2. Infosys Campus Connect
3. Oracle Academy for Advance Computer Science programme
4. SAP India Pvt. Ltd.
5. Microsoft for Dream Spark
6. Sun Microsystems
7. IBM software Centre of Excellence.
8. Institute of Engineers.
9. IUCEE (Indo – US Collaboration for Engineering Education) which arranges a series of webinars on Outcomes Based Education (OBE).
10. Jawahar Knowledge Centre (JKC)
11. Kansas State University, USA.

Training:
1. Campus placements.
2. Entrepreneurship skills.
3. Communication and softskills.

Identifying needs and championing organizational development (OD)?

The Management of the institution maintains regular interaction with the Teaching and non Teaching staff to discuss the requirements to be fulfilled to make the institution as a centre of excellence.

The Management has a proactive philosophy and interacts with staff periodically. Major issues taken up for discussion during Staff – Management interaction are:

➢ Appraisal of Staff Performance levels.
➢ Need for augmenting budget for various departments.
➢ Assessing Staff requirement as per growing needs of various departments
➢ Fixing staff incentives for research done and other performance oriented activities.
➢ Upgrading Infrastructure facilities and resources needed for effective teaching - learning in the Institute.
➢ Devising innovative and student centric methods to improve Institutional efficiency.
➢ Assessing Industry needs and devising appropriate ways to make students industry ready.

6.1.4 Were any of the leadership positions of the College vacant for more thana year? If so, indicate the reasons.

NO

6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

YES

The statutory bodies such as Governing Body, Academic Council, Finance Committee, Grievance redressal Committee, Students Welfare, Planning and Evaluation, Women's Cell, BOS (Board of Studies) are filled with eminent personalities as per the guidelines framed by the UGC.

The meetings of the above statutory bodies are being conducted at stipulated intervals and the minutes of the meetings are made available at the office and respective departments.

Organization and Governance

The Institution has a well-designed administrative setup conforming to the norms of the AICTE and UGC. The members of various bodies are as follows:

Members of Governing Body

S.No	Name and Address	Category	Designation

1.	Dr. R. Venkataswamy, Chairman, SVCET	Management	Chairman
2.	Sri. R.V. Srinivas, Vice Chairman, SVCET	Management	Member
3.	Smt. R. Allikeswari, Nursing College Campus, R.V.S. Nagar, Chittoor	Management	Member
4.	Dr. R. Shalini, Nursing College Campus, R.V.S. Nagar, Chittoor	Management	Member
5.	Prof. K. Hema Chandra Reddy, Professor in Mechanical Engineering, JNTUA, Anathapuramu – 515 002, 9440272244, hemareddy.mech@jntua.ac.in	Educationalist nominated by the Management	Member
6.	Prof. K. S. Rao, Plot No. LIG 62, Sector – 8, M.V.P. Colony, Vishakapatnam – 530 017, 9848119945, profksrao@rediffmail.com	UGC Nominee	Member
7.	Sri. G. Sudhakar Reddy, Principal, Govt. Polytechnic, Tirupati – 517 501	AP State Govt. Nominee	Member
8.	Prof. H. Sudharsana Rao, Director, Industrial Consultancy Services, JNT UA, Ananthapuramu – 515 002.	JNT University Nominee	Member
9.	Dr. M. Muralidhar, Director, SVCET, R.V.S. Nagar, Chittoor	Director	Member
10.	Dr. E. Lokanadha Reddy, Vice Principal & Controller of Examinations, SVCET, R.V.S. Nagar, Chittoor	Faculty nominated by the Principal	Member
11.	Dr. K. L. Narayana, Dean, R&D, SVCET, R.V.S. Nagar, Chittoor	Faculty nominated by the Principal	Member
12.	Dr. P. Bhaskar, Principal, SVCET, R.V.S. Nagar, Chittoor	Principal	Ex-officio

Members of Academic Council

S.No	Name and Address	Category	Designation	Contact No. Email id
1.	Dr. P. Bhaskar, Principal	-	Chairman	7729999200, principal@svcetedu.org
Three nominees of JNT University of Anantapur				
2.	Prof. A. Ananda Rao, Director of Academic & Planning, JNT University Anantapur, Ananthapuramu – 515 002	JNTUA nominee	Member	9000551418, dap@jntua.ac.in
3.	Prof. K. Rama Naidu, Director of Evaluation, JNT University, Anantapur, Ananthapuramu – 515 002	JNTUA nominee	Member	7702768080, 9246579066, prbhanumurthy@yahoo.co.in
4.	Prof. K. Prahlada Rao, Prof. in M.E. Dept., JNTUA College of Engineering, Ananthapuramu – 515 002	JNTUA nominee	Member	9949224505, drkprao1@yahoo.com
Experts from outside the college nominated by the Governing Body				

5.	Mr. Ajith Kumar, Advisor, BSCPL Infrastructure Limited, 3rd Floor, Sankey Square, Sankey Road, Lower Palace Orchards, Sadhasiva Nagar, Bangalore - 560020, Land Mark: Above Angadi Galleria showroom, Near Bhasyam Circle	GB Nominee representing Engineering	Member	9900018208. advisorkak@bscpl.net
6.	Dr. K. Prabhakar, Chief Executive Officer, Appollo Knowledge, Corporate office, Ali Towers, IV Floor, No. 55 Greams Road, Chennai – 600 006.	GB Nominee representing Medicine	Member	9840340503, prabhakar_k@appollohospital.com
7.	Dr. K. Subbarangaiah, Director, VEDA IIT, 4th Floor, Plot No. 9, Road No. 2, Banjara Hills, Near Annapoorna Studios, Hyderabad – 500 034	GB Nominee representing Education	Member	09849611466, profksr@vedaiit.com
8.	Mr. B. Giasuddin, Hershey India Private Limited A Sbsidiary of the Hershey Company Chittoor plant, Palamaner Road, Chittoor – 517 002	GB Nominee representing Human Resources	Member	9052117749, giasuddinb@hersheys.com
9.	Prof. J. Ravi, Dept of Commerce & Management Studies, Andhra University, Visakhapatnam-530003	GB Nominee representing Commerce	Member	9848077032

All the Heads of the Department

10.	Dr. B.Damodhara Reddy Head, Civil Engineering Dept.,	Head of the Dept.	Member	9441947480
11.	Dr. T. Devaraju. Head, EEE Dept.,	Head of the Dept.	Member	7729999153
12.	Dr. C. Vijaya Bhaskar Reddy, Head, ME Dept.	Head of the Dept.	Member	7729999156
13.	Dr. Suman Mishra, Head, ECE Dept.,	Head of the Dept.	Member	7729999152
14.	Dr. T. Sunil Kumar Reddy, Head, CSE & IT Dept.,	Head of the Dept.	Member	7729999154
16.	Sri. N. Sendhil Kumar, Head, MCA Dept.,	Head of the Dept.	Member	7729999198
17.	Mr. T. Raja Reddy, Head, MBA Dept.,	Head of the Dept.	Member	7729999158
18.	Dr. K. Komala Head HAS Dept.	Head of the Dept.	Member	7729999159

Four Faculty Members representing different categories

19.	Dr. E. Lokanadha Reddy, Vice Principal (Admin)	Nominated by the Principal	Member	7729999155
20.	Prof. A.S.N. Murthy, Dean Computer Sciences	Nominated by the Principal	Member	9160073999
21.	Prof. M. Sudhakara Reddy, Dean ECE	Nominated by the Principal	Member	9160013999

22.	Dr. A.V. Narasimha Rao, Dean Academics	Nominated by the Principal	Member	9866001701
Special Invitees				
23.	Dr. B. Kotaiah, Dean Civil Engineering	Nominated by the Principal	Special Invitees	9581993300
24.	Dr. K.L. Narayana, Dean, R&D	Nominated by the Principal	Special Invitees	9581993349
25.	Dr. O.V.K. Chetty, Dean Mechanical Engineering	Nominated by the Principal	Special Invitees	9581993350
26.	Dr. C. Narayana Reddy, Dean EEE	Nominated by the Principal	Special Invitees	9160043999
27.	Dr. U. Harinadh, Dean Management Studies	Nominated by the Principal	Special Invitees	9581993351

Members of Finance Committee

S. No	Name	Designation	Category
1.	Dr. P.Bhaskar	Principal, SVCET, Chittoor	Chairman
2.	Dr. M. Muralidhar	Director	Member
3.	Sri A. Jayarami Reddy	Rtd. Bank Officer, Tirupati	Member
4.	Dr. E. Lokanadha Reddy	Vice Principal, SVCET, Chittoor	Member

Grievance Redressal Committee

S. No	Name	Designation	Role
1	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2	Dr. T. Devaraju	HOD,EEE	Member
3	Dr. T. Sunil Kumar Reddy	HOD, CSE	Member
4	Prof. N. Sendhil Kumar	HOD, MCA	Member
5	Sri T. Raghunadha Reddy	Librarian	Member

Functions

1. To receive Grievance from faculty, staff and students/parents.
2. To find the facts of the grievances.
3. To suggest remedial and preventive measures.
4. To review the suggestions/complaints raised by the students during periodical counseling.
5. To review the outgoing students feedback.

Examination Committee

S.No	Name	Designation	Role
1	Dr. P. Bhaskar	Principal	Chief Controller of Examination
2	Dr. E. Lokanadha Reddy	Vice Principal	Controller of Examination
3	Sri N. Sendhil Kumar	HOD, MCA	Additional Controller of Examination
4	Sri J. Velmurugan	Asst. Prof., CSE	Additional Controller of Examination
5	Sri K. Reddi Prasad	Asst. Professor, ME	Additional Controller of Examination

Functions

1. To plan the examination schedule for various courses of study.

2. To suggest innovative paper setting, valuation methods.
3. To deal with malpractice cases in consultation with concerned HODs and subject experts
4. To suggest improvements for conducting the exams.
5. To examine whether the syllabi coverage and paper setting (in case sessional exams) are as per the guidelines.

Library Committee

S. No	Name	Designation	Role
1	Prof. S.R. Rajkumar	Professor, IT	Convener
2	Sri Y. N. Vijayakumar	Associate Professor, EEE	Member
3	Sri K. Thayagarajan	Associate Professor, CSE	Member
4	Dr. M. Damodhar Reddy	Professor, CE	Member
5	Sri R. Reddiprasad	Asst. Professor, ME	Member
6	Sri T. Raghunadha Reddy	Librarian	Member

Functions
1. To prepare the lists of books/journals as per the requirement of various departments.
2. To suggest improvements to run the library smoothly, orderly and satisfactorily.
3. To suggest the fine structure for the late returning of books.
4. To suggest the punishments to be awarded for the students violating the guidelines of the library.

Student welfare Committee

S.No	Name	Designation	Role
1	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2	Sri A. R. Babu	Associate Professor, ME	Member
3	Sri J. C. Naidu	Associate Professor, ECE	Member
4	Sri J. Velmurugan	Asst. Professor, CSE	Member
5	Sri A. M. Rangaraj	Asst. Professor, MCA	Member

Functions
1. Scrutinize the applications received from the students for welfare scholarships and recommend to the welfare office.
2. Scrutinize the request from the students and recommend to the management for financial support to deserving students.
3. Recommend to the governing body of the institution for scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.

Co curricular Activities Committee

S. No	Name	Designation	Role
1	Dr. T. Devaraju	HOD, EEE	Convener
2	Dr. Lokesh Krishna	Associate Professor, ECE	Member
3	Sri S. Nagaraju	Associate Professor, ECE	Member
4	Smt. G.B. Himabindhu	Asst. Professor, IT	Member
5	Sri K. Dasaratha Rami Reddy	Asst. Professor, CSE	Member
6	Sri M. Suresh Kumar	Asst. Professor, MBA	Member

Functions
1. To suggest various co curricular activities to be organized in the academic year.

2. To suggest various improvements for the existing bodies such as an ISTE student chapter, IEI student chapter, etc.,
3. To prepare proposals for conducting state level and national level events in co-curricular activities.
4. To finalize a budget to conduct various activities in an academic year and submit to the principal for his approval.
5. Preparation of list of guest lecture programmes
6. Conduct of seminars, paper contests, quizzes etc.,

Extra-curricular Activities Committee

S. No	Name	Designation	Role
1.	Sri A.R. Babu	Associate Professor, ME	Convener
2.	Sri Y.N Vijaya Kumar	Associate Professor, ECE	Member
3.	Sri M. Satheesh Reddy	Asst. Professor, Civil	Member
4.	Smt. M. Chitra	Associat Professor, ECE	Member
5.	Smt. Jyotheswari	Asst. Professor, CSE	Member
6.	Sri M. Satish Kumar	Asst. Professor, MCA	Member
7.	Sri K. Mahesh Naidu	Asst. Professor, ME	Member
8.	Sri M. Subramanyam	Asst. professor, EEE	Member
9.	Sri K. Giribabu	Asst. Professor, MBA	Member
10.	Smt. G.B. Himabindu	Asst. Professor, IT	Member
11.	Sri G. B. Reddy	Physical Director	Member

The convener may also Co-opt one student member each from I, II, III & IV B. Tech, M. Tech, MCA & MBA classes and four girl students.

Functions
1. To suggest and organize various cultural activities to be organized in an academic year
2. Plan and organize various activities on behalf of NSS/NCC and encourage students / staff to participate in NSS, NCC, Blood donation camps, Flood relief camp etc.,
3. To prepare sports calendar and an action plan to implement the same.
4. To suggest the methods which encourage students and faculty to utilize sports and games facilities available in the Institution?
5. To take up the responsibility of preparing the budget estimate, requirement of infrastructure and equipment, maintaining the equipment and play fields.
6. Selection of teams to represent the Institution in inter-collegiate tournaments and also the intramural tournaments.
7. To prepare the details of attendance exemption to be given to the students representing Institution in various sports and games.
8. To increase the cordial relations between students and faculty by organizing exhibition games between the teams of students and faculty wherever possible.

Admission Committee

Sl. No	Name	Designation	Role
1	Dr. P. Bhaskar	Principal	Convener
2	Dr. E. Lokandha Reddy	Vice Principal	Member
3	Dr. B.Damodhara Reddy	HOD,CE	Member
4	Prof. S. R. RajKumar	HOD, IT	Member
5	Sri T. Raja Reddy	Asso. Professor, MBA	Member
6	Sri J. Velmurugan	Asst. Professor, CSE	Member
7	Sri K. Dasaratharami Reddy	Asst. Professor, CSE	Member
8	Sri Hemanth Kumar	Asst. Professor	Member

Functions
1. To evolve the procedure for the registration on the day of orientation
2. To make necessary arrangements for the orientation programme of 1 year students.
3. To prepare nominal rolls.
4. To follow up the tuition fee payments, and fines, if any.
5. To settle the accounts of tuition fee, admission fee etc., paid by the students.

Planning & Evaluation Committee

S. No	Name	Designation	Role
1	Dr. P. Bhaskar	Principal	Convener
2	Dr. B. Kotaiah	Professor	Member
3	Dr. O.V.K Chetty	Professor	Member
4	Dr. E. Lokandha Reddy	Vice Principal	Member
5	Dr. T. Devaraju	HOD, EEE	Member
6	Dr. C.VijayaBhaskar Reddy	HOD,ME	Member
7	Dr. B.Damodhara Reddy	HOD,CE	Member
8	Sri S.R. Rajkumar	HOD,IT	Member
9	Dr. T. Sunil Kumar Reddy	HOD,CSE	Member
10	Dr. Suman Mishra	HOD, ECE	Member
11	Mr. T. Raja Reddy	HOD, MBA	Member
12	Sri N. Senthil Kumar	HOD,MCA	Member
13	Smt. Dr. K. Komala	HOD,HAS	Member

Functions
1. Academic planning & Academic audit.
2. To send proposals to AICTE, UGC etc., for continuation of approval / introduction of new courses.
3. To send the proposals to University for extension of affiliation.
4. To co-ordinate among the departments to apply for various schemes/grants to AICTE, UGC etc.,

Research consultancy and Faculty Development Committee

S. No	Name	Designation	Role
1	Dr. P. Bhaskar	Principal	Convener
2	Dr. B. Kotaiah	Professor	Member
3	Dr. K. L. Narayana	Professor	Member
4	Dr. O.V.K Chetty	Professor	Member
5	Dr. C. Narayana Reddy	Professor	Member
6	Dr. M. Sudhakara Reddy	Dean of Electrical Sciences	Member
7	Dr. U. Harinath	Professor (TAP)	Member
8	Dr.A.V. Narasimha Rao	Dean, Academics	Member
9	Dr. A. Mahamani	Professor, ME	Member
10	Sri G. Bhaskar	Professor, MBA	Member
11	Dr. K. Subramanyam Reddy	Dean HAS	Member
12	Dr. G. Surya Narayana Reddy	Prof. Dept. of ECE	Member
13	Dr. S. Latha	Prof. Dept. of ECE	Member

Functions

➢ To coordinate the research and consultancy activities among the departments in the college.
➢ Scrutinize the research projects submitted by the faculty members, and recommend the deserving projects to the appropriate funding agencies for financial support.
➢ Scrutinize the student's project proposals to various agencies for financial support and recommend the suitable projects.
➢ Examine the applications received from the faculty members/students for patents/awards and recommend to the concerned authorities.
➢ Examine the research consultation projects and recommend the suitable projects.

Training and Placement Committee

S. No	Name	Designation	Role
1.	Dr. U. Harinath	Professor (TAP)	Convener
2.	Sri T. V. Rao	Professor (TAP)	Member
3.	Prof. S.R. Rajkumar	TAP Officer I/c	Member
4.	Sri J. Velmurugan	Asso. Professor, CSE	Member
5.	Sri S. Murali Mohan	Asst. Professor, ECE	Member

Convener may also co-opt two student members each from III B. Tech, IV B. Tech, M. Tech, and MCA & MBA

Functions

➢ To help the T & P Officer to maintain contacts with alumni.
➢ To help the T & P Officer to organize the various activities like written test, group discussion, technical interviews, H.R. Interviews
➢ To organize activities aimed at improving Institute- Industry Interaction.
➢ To coordinate the soft skills training programmes with the respective departments.

Women's Cell

S. No	Name	Designation	Role
1	Smt. C. Umamaheswari	Asst. Professor, ME	Convener
2	Dr .K. Komala	HOD, HAS	Member
3	Ms. M. Chitra	Associate Professor ,ECE	Member
4	Smt. Hima Bindu	Asst. Professor, EEE	Member
5	Smt. P. Jyotheeswari	Associate. Professor, CSE	Member
6	Ms. M. Sharmila	Associate. Professor, ECE	Member

They can also Co-opt four girl student members from B. Tech, M. Tech., and MCA & MBA.

Functions
- ➢ To receive complaints, if any, from the lady staff and girl students who have been subject to sexual harassment.
- ➢ To keep all records intact and in proper order of the complaints received.
- ➢ To enquire into such complaints and establish the facts.
- ➢ To keep an elaborate process document of each such case describing the methods adopted and the settlement reached in solving the problem.

Disciplinary Committee Members:

The following members are constituted as disciplinary committee, to look into various aspects of student discipline in the college.
1. Sri K. Thyagarajan, Associate Professor, Dept of CSE, Convenor
2. Sri S. Nagaraj, Associate Professor, Dept of ECE, Member
3. Sri G. Sudharshan Reddy, Associate Professor, Dept of ME Member
4. Sri C.B. Saravanan, Assistant Professor, Dept of EEE, Member
5. Sri K. Aravind, Assistant Professor, Dept of IT, Member
6. Sri Th. Jagat Singh, Assistant Professor, Dept of Civil Engg. Member
7. Sri G. Dhanasekhar, Assistant Professor, Dept of MCA, Member
8. Sri A. Srinivasulu, Assistant Professor, Dept of MBA, Member

Functions of the Disciplinary Committee Members:
1. To maintain & enforce strict discipline in the Institution campus.
2. To enforce strict dress code among students.
3. To enforce total prohibition of Mobile Phone usage by the students inside the Institution Campus. Please note that Mobile phone is totally prohibited in the Institution Campus and if a student is found carrying Mobile Phone, the Mobile phone needs to be confiscated & handed over to the Principal.
4. To Monitor the movement of the students in the Institution and prevent students loitering around in the corridors during the Institution working hours.
5. To ensure that all the students attend classes without bunking & prevent the Students from leaving the Institution early. If may please be noted that no student can leave the Institution early without prior permission of the higher authorities (Gate pass issued needs to be produced)
6. To ensure that students maintain utmost silence in the Library.
7. To maintain proper discipline in the Institution Canteen, Student Waiting Room, Corridors and the Student Mess during the Institution Working hours.
8. To assist the Institution anti-ragging committee in preventing ragging in the Institution and to spread anti- ragging campaign throughout the students community.

9. To recommend suitable disciplinary action against any student indulging in acts of indiscipline, beyond doubt.

Students Participation

S.No	Name of the Committee	Basic function of the Committee	No of Students Involved
1.	NSS Unit - I	Organizing Blood Donation Camps, Free Eye Camps, Literacy Drives and other welfare Activities	125
2.	NSS Unit - II	Organizing Blood Donation Camps, Free Eye Camps, Literacy Drives and other welfare Activities	125
3.	Helping Hands	Helping Poor and Needy in terms of Money, Kind and Services	110
4.	Anti Ragging Committee	To Prevent Ragging inside and outside of the campus	16
5.	Disciplinary Committee	To Maintain the Discipline among the student community inside the campus	8

The statutory bodies like Governing Body, Executive Body, Finance Committee, Academic Council, BOS (Board of Studies), Women's Cell, Training & Placement, Extra-curricular activities were filled with eminent personalities as per the guidelines framed by the UGC.

The meetings of the above statutory bodies are being conducted at stipulated intervals and the minutes of the meetings are made available at the office and respective departments.

6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

YES

The Institute emphasizes on executing a culture of participative management and collective work empowering its employees to improve quality of institutional processes.

➢ Matters pertaining to each department are discussed with the staff during department meetings and their collective decisions and opinions are considered in HODs meetings.
➢ Student's participation is ensured by involving them in various activities at department level as well as at college level.
➢ Feedback from various committees is given significant weight age for future decisions.
➢ Feedback collected from various stake holders are considered to improve the overall performance.

6.1.7 Give details of the academic and administrative leadership provided by the university to the college?

The affiliating University nominates its representative to the college Governing body, Academic Council and Board of Studies for designing the curriculum and suggesting necessary measures to improve the quality of education. **Please refer 6.1.5** for the details of the Academic council and Governing body.

6.1.8 How does the college groom the leadership at various levels?

Main focus of the college is to develop freedom to do various activities independently at various levels.

Role and Responsibilities of Principal:

1. To promote the comprehensive development of the institution as the Head of the Institution.
2. To recruit the Teaching and Non-teaching staff based on the requirements of the departments.
3. To fix salaries, increments, etc., to Teaching and Non-Teaching staff.
4. To depute teaching and technical staff for refresher courses, higher studies and arranging for suitable training in the campus.
5. To conduct HOD's meeting at regular intervals to know the state of affairs – both academic and non-academic.
6. To Plan for campus placements through training and placement officer.
7. To review results
8. To conduct Governing Body and Academic Council Meetings.
9. To get the annual budget sanctioned for conducting various events in the campus, keeping in mind the number of events desirable per year as per NBA/NAAC guidelines.
10. Attesting the academic registers and dairies maintained by teaching staff.
11. To instruct the teaching staff through a schedule to conduct annual stock verification of lab equipments.
12. To monitor the activities of the examination section (JNTU as well as Autonomous)
13. To promote the brand building of the Institution by adopting new technologies.

Role and Responsibilities of the HOD:

1. Allocate the subjects to the faculty members well in advance before commencement of the semester/year.
2. Collect lesson plans from teaching staff before the commencement of class work and ensure that the information provided is in accordance with the format.
3. The time tables are prepared as per the guidelines.
4. Send staff attendance register after making necessary entries to the principal office by 9.30 A.M every day.
5. Interact with students (Section wise) of their branch once in a fortnight, identify the problems and find solutions in consultation with the principal.
6. Verify the student attendance registers maintained by the staff members once a week and submit to the principal for verification once in a fortnight.
7. Observe the dress code among students and instruct the respective class teachers to implement the dress code among the students.
8. Convene departmental staff meeting once in a week on the day allotted and record the minutes of the meeting.
9. Collect the student feedback about the faculty members subject wise (for all the subjects taught to the students of their branch) and communicate the feed back to the concerned faculty members in the standard format as decided by principal. Communicate a copy to the principal.
10. Advise the class teachers to prepare Master registers meant for posting attendance and internal marks within one week after the commencement of class work for the semester/year.
11. Communicate the attendance particulars and internal marks of students to the parents from time to time with the help of class teachers.
12. Counsel the students who are absent for the MID test or irregular to the class work.

13. Form the student batches and allot the project guides as per guidelines given by the principal.
14. Route all the correspondence through the office of the principal.
15. Designate faculty member who will be the Head I/c during his/her absence and make sure that all files and records are available for Head in- charge. Give contact telephone number to enable the authorities to consult them in emergency when he/she is away from head quarters.
16. Allocate the students to the teacher (counselors) in the beginning of the academic year.
17. Inform the concerned authorities of any important information of events taking place in the Department from time to time.
18. Arrange special classes if necessary for the benefit of below average students.
19. Ensure academic discipline in the department.
20. Plan and conduct the BOS meeting regularly.
21. Provide necessary inputs to the principal for conducting Academic Council / GB Meeting

Role and Responsibilities of the Teacher:

1. Prepare and submit the complete lesson plan to HOD for every semester/year and cover the syllabus as per the lessonplan.
2. Sign in the staff attendance register at 9.15 A.M on every working day unless he/she is on leave.
3. Suggest the list of books which are to be referred by the students for the subject being taught.
4. Mark attendance in the classroom itself and write the academic diary in the attendance register in time.
5. Prepare and submit the internal question papers in-time.
6. Correct the answer scripts within the stipulated period and submit the marks award sheets to the HOD.
7. Submit the attendance register and academic diary to the HOD at the end of every week.
8. Consolidate and post the attendance in the master register on the last working day of every month.
9. Ensure that the students submit lab records of the previous experiment when they come to the next class and evaluate on the same day.
10. Engage the class work of the colleague who has assigned his/her class in the leave letter.
11. Act as "Mentor" for the group of students who are allotted to him/her by the Head of the Department and be responsible for the proper conduct of the Students.
12. Involve in the examination work of the Institution as examinations are part and parcel of legitimate duty of staff member.
13. All the Correspondence through the office of the Head of the Department.
14. Assist the HOD in exigencies and in developmental works.
15. Be available in the Department during the working hours for consultation for the students.
16. Observe the dress code.
17. Wear ID card as long as you stay in the Institution campus.
18. Do not carry Mobile Phones to the class room / examination hall for any reason.
19. Follow the guidelines / instructions given by the principal from time to time

Role and Responsibilities of the Class – Teachers

1. Instruct all the students to attend the classes and examinations regularly and to follow the dress code.
2. Collect the list of absentee students (Period wise) and submit it to the HOD daily.
3. Submit the list of students absent for the internal tests to the HOD.
4. Prepare consolidated attendance on or before 3rd of every month and submit the same to the Head immediately.
5. Prepare the list of Students who have secured less than 60% of marks in mid exams (subject wise) and submit it to the HOD.
6. Result analysis must be done after the announcement of results by the university/ Institution and also update student record regularly after knowing supplementary results in the current Semester.
7. Motivate the students to attend the seminars and conferences.
8. Communicate the attendance particulars and internal marks of students to the concerned parents from time to time as directed by the HOD.

Role and Responsibilities of Technical staff

1. Sign in the attendance register at 9.15 AM on everyday unless and otherwise he/she is on leave.
2. Be available in the lab during working hours and also extra lab hours.
3. Ensure that the equipment and lab is clean and in good condition
4. Report about any non functioning equipment to the HOD in time through lab in-charge.
5. Switch-off fans and lights and lock the doors while moving out of lab, even for a short period.
6. Close the windows and lock the doors in the evening while leaving the campus for the day.
7. Assist the Lab in-charge teaching staff during stock verification at the end of academic year.
8. Assist faculty in-charge in the preparation of consumable items required in the respective lab before the commencement of academic year/semester.
9. Any other work given by HOD from time to time.
10. Observe the dress code and wear ID card.
11. Follow the guidelines / instructions given by the principal from time to time.

Role and Responsibilities of Office staff:

"Office Staff" means the employee of Academic, Administration, and Accounts Section.

1. Sign in the attendance register at 9.15 AM on every working day unless and otherwise he/she is on leave.
2. Shall perform their duties with sincerity and maintain confidentiality.
3. Be conversant with the rules and regulations and the relevant procedures involved related to their works.
4. Perform as a team and do the assigned as well as any additional work as and when the in-charge allots.
5. Pre-plan the day's/week's work and perform the duties assigned from time to time in a systematic way and create a courteous atmosphere. All are expected to improve/update their skills in filing, drafting, most essentially computer operation.

6. Inform well in advance about leave of absence and make alternative arrangement to the works assigned and give full co-operation to all other sections with proper dignity and decorum.
7. Deal with reasonable concern towards student's enquiries and ensure all possible help and deal politely while talking on telephone.
8. Observe the dress code and wear ID card while in the Institution.
9. Follow the guidelines / instructions given by the Principal from time to time.
10. Seek the permission (Max One Hour and Three Permissions in a month) when ever he/she intends to come late or to go early by applying in the prescribed letter signed by the concerned HOD and the principal

Roles and Responsibilities of Administrative officer:
1. Maintenance of principal's office as per principal's direction.
2. Student's admission related works.
3. All kinds of scholarships and related work.
4. Helping the principal in conducting Governing Body / Academic Council Meetings.
5. Recording the resolutions of the Governing Body / Academic Council Meeting and dispatching the same to the members.
6. Assist the principal for JNTU affiliation works.
7. Assist the principal for AICTE / NBA / NAAC related works.
8. Maintenance and purchase stationary for the stores.
9. Maintenance of leave record of Teaching & Non-Teaching staff.
10. Preparation and submission of number of days for salary to be paid, to the account section, for the preparation of salary bills.
11. Maintaining the personal files of staff members.
12. Maintaining the budget files.
13. Maintenance of student's files & records and issue of original certificates to staff & students as directed by the principal from time to time except salary certificate.
14. Consult the principal on any other issue which needs principal's directions and intervention.

Counseling in-charges: Academic Guidance/Counseling/ Monitoring services to be provided to students:
1. Advise the Students to prepare for competitive exams
2. Encourage the students to participate in curricular and Co- curricular activities.
3. Advise the students to become members of professional bodies like ISTE, IEEE, and IEE etc.
4. Motivate the students to improve their communication skills and guide them to participate at National/International Conferences organized by the institution and other institutions.
5. Assist the students to finalize their goal and motivate them to reach the goal. Also suggest the various ways and means to strike their targeted goal.
6. Motivate the students to attend the seminar classes without fail.
7. Instruct the students to attend the internal / external exams without fail.
8. Motivate the students to present papers in Conferences / Seminars at regional / national level.

Departmental Association in-charge:
1. Conduct essay writing, debate competition on general topics, general quiz, technical quiz, etc.
2. Organize guest lectures by experts from various reputed institutions/industries.
3. Organize seminars on advanced topics by the students and staff.
4. Arrange the lectures by the faculty members who have attended Seminars/ Conferences/refresher Courses.

Student representative:
1. Report common problems of students to HOD through class teacher in- charge.
2. Collect the names of students for association activities as per schedule given by HOD and submit the same to the HOD.
3. Inform the Head if any class is not engaged.
4. Fill the class attendance sheet and submit to the class teacher daily.
5. Communicate any information given by Head/class teacher to the Students.
6. Guide the students to submit any letter to the principal through the respective HOD.

Attenders
1. All attenders should be available in the Institution by 8.30 am or as per the departmental requirements and leave the premises fifteen minutes after the Heads of various sections leave the departments.
2. They should be present with neat appearance.
3. They should take the keys from principal's office after signing in the register.
4. They are responsible for the cleanliness of the rooms/labs/premises of the concerned departments.
5. They should ensure proper locking of the rooms/labs/premises and close windows as well as switch off lights/fans, close water taps and deposit the keys in the principal's office.
6. They should strictly follow the instructions issued by the Heads of different sections and departments conscientiously.
7. They should give respect to the superiors and extend full cooperation to other attenders.
8. They should not allow any unauthorized persons to enter the departments/office without proper verification.
9. They should perform any additional duties assigned from time to time.
10. They are expected to respect visitors, parents, staff and students.

Controller of Examinations:
1. Coordinating the works of all the three additional controller of examinations & Diploma section
2. Getting the panel of examiners list approval from Chief Controller of Examinations
3. Liasioning with the JNTUA
4. Results committee meeting – Requesting University to nominate a member
5. Detained list and promotion list – preparation of nominal rolls
6. Spot valuation of External exams under Autonomy - Preparation of Remuneration bills and maintenance of Acquittance register
7. Any other related works

Additional Controller of Examinations – 1: (Internal Examinations)

1. Estimation of Stationary requirements for tests – Printing of Answers booklets for internal Tests (12 pages)
2. Preparation of internal examination time tables
3. Conduct of internal examinations both JNTUA and Autonomous
4. Coordinate with other additional controller of examinations for finalization of Attendance, Marks etc –Collection of attendance / Internal marks in the prescribed format from the departments
5. Any other related works

Additional Controller of Examinations – 2: (External Examinations)

1. Estimation of Stationary requirements for the end examinations (both theory and labs) – Printing of main answer booklet (40 pages for PG theory exam, 32 pages for UG theory examination & 6 pages for practical exams including main page)
2. Preparation of timetables of end examinations (both theory and labs)
3. Conduct of end examinations (both theory and labs) of Autonomous as well as JNTUA
4. Preparation of remuneration bills and maintenance of Acquittance register
5. Any other related works.

Additional Controller of Examinations – 3 (Confidential Section):

1. Estimation of Stationary requirements for setting of Question papers and sending the material to examiners
2. Estimation of postal stamp / courier requirement (For correspondence & reminders to the examiners). Printing of TA, DA bills, marks award lists, computer stationary.
3. Maintaining syllabus copies up to date
4. Getting model question papers , panel of paper setters and examiners (Minimum 6 in each panel) for all the subjects
5. Collection of question papers set by the examiners concerned in time.
6. Printing of question papers
7. Coding and Decoding of answer scripts
8. Entry of Internal and External examination marks and publication of Results
9. Processing of TA, DA and remuneration bills and liasioning with account section
10. Revaluation & recounting of answer scripts and publication of results
11. Any other related works.

6.1.9 Has the College evolved any strategy for knowledge management?

YES

➢ The website keeps the information of the college up to date.
➢ The college maintains a video lecture repository consisting of lectures from the National Programme for Technology Enhanced Learning (NPTEL) and other reputed universities in the central library along with access to online databases such as digital library DELNET, Project reports etc.
➢ To share knowledge and to have an effective teaching learning processes, college organizes Guest Lectures, Workshops and Faculty Development Programmes on latest technologies.
➢ Encourage Faculty to attend Workshops, Faculty Development Programmes, etc. organized by other Institutions on the latest topics.
➢ There is a close coordination among various departments and sections for exchange of information. Information flows across the organizational hierarchy as well as the personnel.

➢ Sharing of information creates transparency within the organization and facilitates collaboration between different departments and sections.

6.1.10 How are the following values reflected in various functions of the College contributing to national development?

The Vision and Mission of the institution are in line with the objectives of higher education policy of the nation.

Institution functions as a whole with the aim to provide high quality of education with moral values to reach the expectations of all stakeholders

NSS ACTIVITIES DURING THE ACADEMIC YEAR (2013-14)

S.No.	Name of the NSS Programme	Venue	Date	No. of Volunteers Attended	No. of Beneficiaries
1	Blood Donation camp in collaboration with IRCS, Chittoor	SVCET Campus	11.11.2013	50	200
2	AIDS Awareness Programme	Muthirevula Village	01.12.2013	50	500
3	The Human Rights Day	Thapovanam, Chittoor	10.12.2013	40	400
4	The Pulse Polio Immunization	Muthirevula Village	28.02.2014	40	400
5	National Voters Day	Bandarlapalli	25.01.2014	50	840
6	Blood Group Check up camp in collaboration with IRCS, Chittoor	SVCET Campus	05.02.2014		
7	Youth Festival (Jntua, Anantapur) Deputed volunteers	JNTUA, Pulivendula	01.02.2014	22	22
8	Awareness Programme on "Foreign Exchange for you" conducted by RBI, Hyderabad	Auditorium, SVCET	04.04.2014	100	600
9	NSS seven days programme (Special Camp) (Unit – I & II)	Bandarlapalli & Vavilthota	18.02.2014 to 24.02.2014	50	500
10	General Elections (works)	Government allotted places	04.05.2014 to 08.05.2014	200	-

NSS ACTIVITIES DURING THE ACADEMIC YEAR (2014-15)

S. No.	Name of the NSS Programme	Venue	Date	No. of Volunteers Attended	No. of Beneficiaries
1	Tree Plantations	SVCET Campus	29.11.2014	75	
2	Blood donation camp in collaboration with Govt. Hospital, Chittoor	SVCET Campus	12.08.2014	40	200
3	NSS Day Celebrations	SVCET Campus	24.09.2014	60	100
4	Teachers day celebrations	SVCET Campus	05.09.2014	40	150
5	Engineers day celebrations.	SVCET Campus	15.09.2014	40	500
6	Rural development.	Jntua, Anantapuram	29.09.2014	10	120
7	AIDS Awareness Programme	Muthirevula Village	01.12.2014	60	150
8	The Human Rights Day	Thapovanam, Chittoor	10.12.2014	40	100
9	National Voters Day	Chittoor town	25.01.2015	60	230
10	One week NSS special camp (Unit – I & II)	M. Bandapalli, &Nadimplli	24.01.2015 to 30.01.2015	50	50

Fostering global competencies among students

The institution cultivates global competencies among the students through implementation of student centric & innovative practices in teaching learning processes.

It aims to mould employable and professional engineers by bridging the knowledge gap through industrial tours, guest lectures and conferences in emerging technologies of all engineering streams.

Inculcating a value system among students

The institution imparts Professional Ethics and Human Values as part of the academics, besides that awareness is spread through Social responsibility is passed on through the National Service scheme (NSS) and its activities.

Promoting use of technology

Hands on experience on latest technology are offered to students of the college by upgrading laboratory equipment with the state of the art equipment at regular intervals.

For reference, details of various equipments procured for practical applications are:

Details of MODROBS/EDC

S.No.	Name of Agency/Industry	Details of Project	Funding and duration i.e. From—to
1	AICTE MODROBS SCHEME	Modernization of CAD/CAM Lab	13,80,000 2013-14
2	AICTE MODROBS SCHEME	Modernization of P T lab	8,00,000 2011-12
3	AICTE MODROBS SCHEME	Modernization of Thermal Engg Lab	11,10,000 2009-10
4	AICTE MODROBS SCHEME	Modernization of Heat Transfer Lab	2,24,000 2007-08
5	AICTE/MODROBS	Industry Institute Partnership Cell	7.0 lakhs and 31-03-2011 to On going
6	AICTE/MODROBS	Advanced Communication Lab	17.8 lakhs and 17-07-2013 to On going
7	AICTE/MODROBS	Advanced Digital Signal Processor & Application Lab	15 lakhs and Completed on the year 2008
8	AICTE/MODROBS	Modernization of Electrical Simulation Lab	7.2 lakhs year 2007
9	AICTE/MODROBS	Modernization of Electrical Machines Lab	8.0 lakhs year 2012

- ➢ Students are trained well with latest software and technological tools.
- ➢ A special course on **Professional Ethics and Human Values** is offered to students as a part of their curriculum.

Quest for excellence

Entrepreneurship Development programmes aim to improve and generate a culture of innovation and development of entrepreneurial spirit amongst the students.

ENTREPRENEURSHIP INITIATIVES
During the Period 2012-2017

S.No	Particulars of Activities
1	Entrepreneurship Awareness Camp (EAC)
2	Expert Talk on Entrepreneurship By Dr.Sridhar Condoor, Saint Louis University, USA.
3	Skill development Programme on ANSYS
4	Skill development Programme on AUTOCAD, SOLID WORKS

The institute has MOUs with various Institutes which are as follows:
1. University of Massachusetts
2. Infosys Campus Connect
3. Oracle Academy for Advance Computer Science programme
4. SAP India Pvt. Ltd.
5. Microsoft for Dream Spark
6. Sun Microsystems
7. IBM software Centre of Excellence.
8. Institute of Engineers.

9. IUCEE (Indo – US Collaboration for Engineering Education) which arranges a series of webinars on Outcomes Based Education (OBE).
10. Jawahar Knowledge Centre (JKC)
11. Kansas State University

To share the industrial expertise with budding engineers in bridging the curriculum gap.

The Academic regulations and syllabus of the institute are reviewed every 2 years by the Board of Studies Committee, to bridge the gap between the Academics and Industrial requirements. Industrial oriented add- on courses along with, arrange guest lectures by leading academicians and industrialists are facilitated to the students for their knowledge up gradation.

6.1.11 Give details of the UGC autonomous review committee'srecommendations and its compliance.

Deficiencies, Weaknesses/concerns from previous accreditations:
- More decent sitting arrangement for the faculty is needed.
- System with internet connection required for the faculty.
- Placement record has to improve.
- First year results have to improve.
- Sports facility has to be improved.
- Women's cell needs to be developed.
- Student societies must be more active.
- Remedial classes have to be planned for students taking supplementary exams.
- Counselling system needs to be improved.
- Faculty retention ratio has to improve.
- Wi-Fi system not in place.
- Good books need to be made available to the staff, certain expenditure on books to be reimbursed.

6.2 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

YES

Our College has formally stated quality policy to enhance the student quality. The Institution has a well-marked administrative setup for conforming to the quality of each unit. Teaching learning process, Industry interaction, Research and Development, Community Development and Entrepreneurship development are the important areas, which requires sustainable development.

Teaching and learning

Academic council will look up the incorporation of the recent advances in to curriculum. Academic committee has ensured the curriculum development and delivery, language skill development, research skill development, entrepreneur skill and industry interaction.
- Faculty development committee has prepared the perspective plan to equip the faculty to impart the student's quality by way of attending conferences, workshops and motivation programme, and conducting faculty empowerment programme.
- To enhance the relevance and quality of currently offered UG & PG programmemes by gradually switching over from current teaching centric,

syllabus/subject-centric and examination – centric education to learning- centric, competence-centric, learning outcomes-based education.

- Discovery learning in teams and iterative engineering skills of design- build test; using learning-centric teaching learning processes in courses offered by all departments.
- Gradually increasing the proportion of active learning methods like problem solving, team building, discovery learning and collaborative learning, assessing performance of student based on their learning attainments.
- Providing laboratory and workshop facilities for designing, fabricating and testing student's projects/products

Research and Development

Research and development plan for the next 5 years is prepared by the members of Research and development cell. The department wise plan of research activities given in the table.

Department of Electronics & Communications Engineering

Name and Designation of Faculty	Major areas of Research	Research plans for the next 5 years				
		Year 1	Year 2	Year 3	Year 4	Year 5
M.Sudakar Reddy, Professor	Digital Signal Processing	Novel Frame work for Evaluating Lane Detection Systems	Design and analysis of Eigen face-Domain Super-Resolution for Face Recognition	Design and Implementation of fast clustering algorithm for video abstraction	Theory and Algorithms for Exploiting Sparsity in Signal Processing Applications	Analysis for Efficient change detection for large motion blurred images
Dr.G.Surya Narayana Reddy, Professor	High – Tc Superconductivity and its applications	Design aspects of High Speed SQUID electronics	Growth of superconducting thick films of BiSrCaCuO and study of quantum Interference effects.	To fabricate Josephson devices using artificial grain boundary Josephson junctions	The flux noise of these films will be investigated.	
Dr.S.Latha, Professor	Computer Networks	Development of New, Extensible Internet Signaling Protocols.	Speeding up Spatial Database Query Execution using GPUs	Network Measurement, Compressive Sensing and Their Applications on Wireless, P2P and Overlay Networks etc		

Prof.A.S.N. Murhty, Professor	Instrumentation and Control Systems	Condition monitoring for robust dynamic reconfiguration of engineering systems.	Output feedback control for uncertain variable structure systems with resets	Development of robust control and estimation paradigms for networked control systems		
C.Chandrasekhar, Professor	Digital Image Processing	Design of model in Image Compression and Fusion techniques using MATLAB tools	Implementation of compression techniques using DWT in Verilog platform	Implementation of Fusion techniques using DWT	FPGA development board for Image Registration, Fusion and Compression	ASIC development board for Image Registration, Fusion and Compression for MAV.
K.Lokesh Krishna, Associate Professor	Microelectronic Circuits	Design and Implementation of High speed pipelined ADC architecture for high speed communication	Design and Implementation of High Resolution Sigma Delta ADC architecture for high speed communication	Implementation of front end circuits for communication receiver.	Frequency compensation of active-RC LPF	Implementation of Hybrid ADC for High speed communications
S.Murali Mohan, Associate Professor	VLSI and Image Processing	Performance Analysis of Neural Network Architecture Combined with DWT for Image Compression	FPGA Implementation of Hybrid Architecture for Image Compression Optimized for Low Power and High Speed applications	VLSI Architecture for Fast Computation of 2D-Discrete Wavelet Transform and Low Power Feed Forward Neural Network Architecture for Image Compression	Modified Distributive Arithmetic based 2D-DWT for Hybrid (Neural Network-DWT) Image Compression	Design and VLSI Implementation of Multilayered Neural Network Architecture using Parallel Processing and Pipelining Algorithm for Image Compression

Department of CSE

Name and Designation of Faculty	Major areas of Research	Research plan for the next 5 years				
		Year 1	Year2	Year 3	Year 4	Year 5
Dr. J.Janet,	Knowledge Based Systems, Medical Image Processing, Cloud Computing	A Genetic Optimized Neural Network for Image Retrieval in telemedicine	Energy efficiency using SWAM Intelligence.	Discrete Sheared Transform Based Classification of Micro calcification in Digital Mammograms	Optimizing Data Movement in Cloud	
K.Thyagarajan	Computer Network, Cloud Computing.	Optimal approach for Job Scheduling in cloud		Mobility Management	Enhancement of Java Access Control.	
P.Jyotheeswari	Data Mining,Cloud Computing	Enabling Geographically Distributed Cloud Applications		Privacy-Preserving Public Auditing for Shared Data in the Cloud	Scalable Analytics for IaaS Cloud Availability	
S.Vasu	Compiler Design, Advanced Computer Networks	Develop algorithms to resolve SR conflicts and RR conflict in CLR Parsers.			Optimization of Secure Authentication Routing Protocol in Mobile Adhoc Networks	

Department of Mechanical Engineering

Name and Designation of Faculty	Major areas of Research	Research plans for the next 5 years				
		Year 1	Year 2	Year 3	Year 4	Year 5
Dr. O. Venkata Krishnaiah Chetty	Production Technology, Industrial Engineering and Management	Software development to suit practical as well as research works in the areas of Lot sizing in MRP planning and travelling salesman problems.	Use of Genetic algorithms with suitable modifications to MATLAB tool box is under way.	Development of Abrasive Jet Machining to suit micro-machining of non-metallic materials.	Use of condition monitoring based CNC technology to optimize machining parameters such as nozzle geometry, abrasive type and size, stand off distance, jet velocity	Aims at studying the existing production facilities of industries and model the production to yield economy in factors of production. Industries are being targeted to showcase the results.
Dr. K.L. Narayana,	Production Technology	Development high performance material system	Study influence of silicon on mechanical properties	Development of processing map to attain maximum mechanical properties		
Dr. U. Harinath,	Production Technology	Work study and Time study in Amar Raja Batteries Pvt Ltd	Productiviy improvement analysis in Amar Raja Batteries Pvt Ltd	Quality improvement analysis in Amar Raja Batteries Pvt Ltd	Reliability analysis in Amar Raja Batteries Pvt Ltd	Spare parts inventory analysis in Amar Raja Batteries Pvt Ltd
Dr.C.Vijaya Baskar Reddy	Thermal Engineering	Development of expert system for I.C engine emission control	Development of advanced sensors for I.C engine emission monitoring	Study the influence of different additives on bio fuel emission in I.C engine		

Dr .A.Maham ani	Manufacturin g Technology	Aluminum composite Material development reinforced with TiB_2-ZrB_2 – TiC	Characteriz ation	Mechanica l properties evaluation	Wear study at room temperature	Wear study at elevated temperat ure

Department of Civil Engineering

S. No	Name of Faculty Member	Area of Research
1	Dr. B. Kotaiah, M.Tech, Ph.D	Water Pollution Control, Hazardous Waste Management
2	Dr.A.V.Narasimha Rao	Marine Geotechnical Engineering, Environmental Geo-techniques & Ground Improvement Techniques with an emphasis on Geo-synthesis
3	Dr. T.V.Krishna Reddy	Ground water studies of Drought Prone areas
4	Dr. M.Mohan Babu	Water Resources, Fluid Mechanics
5	Dr. B. Damodhara Reddy	Performance of Mortar Cubes by Partial Replacement of Portland Slag Cement with and without Admixtures

Department of MCA

S. No.	Name of faculty member	Research Plan For Next 5 Years
1	N.Sendhil Kumar	Web mining, data mining and Social network
2	K.Vanisree	Congenital heart diseases diagnosis using Artificial neural network (ANN)

Department of IT

S. No.	Name of Faculty Member	Research Plan For Next 5 Years
1	S.Rajkumar	DSDV and AODV routing protocol
2	B.Himabindu	DDOS attack in wireless mobile adhoc network

Department of MBA

S. No.	Name of Faculty Member	Research Plan For Next 5 Years
1	Dr. G.Baskar	Accounting and finance
2	Dr.G.Giribabu	Finance and marketing
3	S.Karim	Quality Perception of Management Students towards Entrepreneurship

The major focus of the curriculum is to provide the fundamental and concepts in the engineering field. This learning culture is far away from the real problems that are faced by the industry. For filling gap between the industry and academia we encourage the students to interact with R&D organization and industry.

An expert from Industry is considered to be a member of Board of Studies, who takes active role in the curriculum design to face the industry challenge.

PG programme has few elective. Some of these courses are delivered by industry experts through webinars. More preference will be given to the invited talk about the industrial

challenge. This talk will be given by an industry expert.

Experts from industry will be called to deliver lecture about industrial challenges like day to day problem faced in the equipment handling, maintenance, meeting quality standard of the component and finding optimal machining parameter.

Department organizes several workshops with industry experts for the benefit of the students. They will inform the skill requirement and skills need to be upgraded. This will help the department to prepare the industry –ready engineer.

Video clips having the "Discussion about the industrial challenge" will be downloaded from the internet and played in the seminar classes. The student will understand the issues faced the industry. The Figure 3.2 shows the sample video clips presented in class rooms.

Technical magazines and e-journal will help the students to understand the industry challenge. The focus of the technical journal will be industry problem, methodology, problem solving, result and discussion and conclusion. This structure will help the students to understand the, problem identification and problem solving and recommendation to eradicate the problem that faced by the industry.

Major projects have been done by the students at various industries like BHPVL, Vishakhapatnam, Amar Raja industries, Tirupathi, BHEL, Bangalore etc.

The following Figure 3.2 shows the interaction with industries and R&D organization.

Alumni members working in industry are called for interaction; this will promote the technology updating and recent trends of industry requirement.
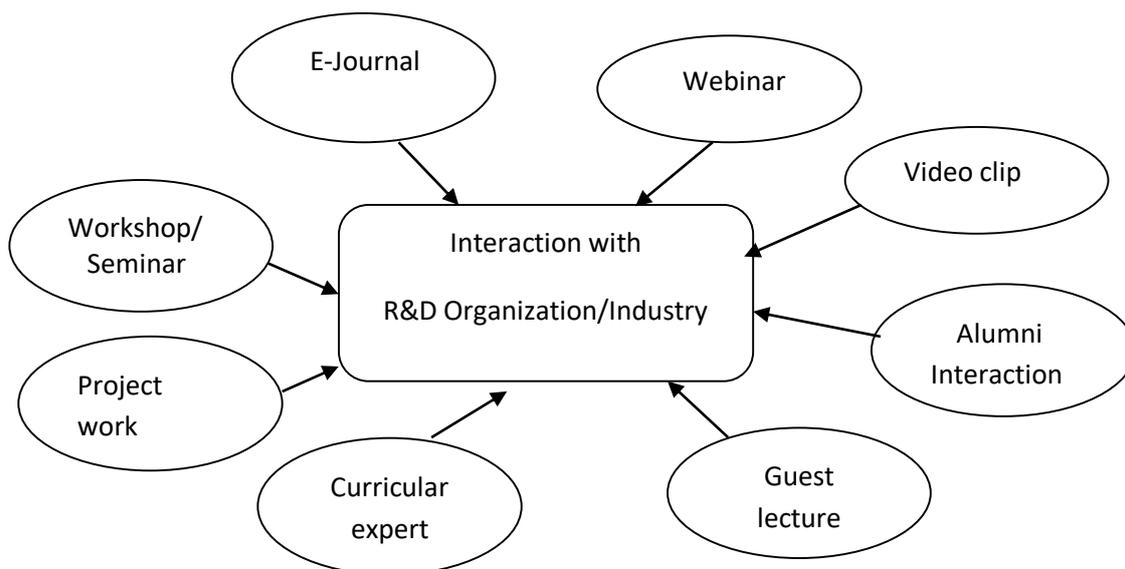
Interaction with Industry/ R&D Organization

6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

The college has a well-framed administrative set up conforming to the norms of the regulatory bodies.

Administration setup:
- Vice Chairman of SVCET acts as the representative of the Management.
- The Principal wields the powers with regard to financial and to all the academic and administrative matters including the conduct of examinations.
- The Principal discusses all the administrative problems with Vice Principals and HODs.
- To expedite the organizational work and minimize undue delays in decision making, the college administration has been decentralized to a large extent.
- Head of the department assigns various tasks to members of the faculty and staff.
- The statutory and the non-statutory committees look after the academic and administrative procedures.
- The statutory committees are constituted as per the guidelines of the regulating bodies.
- Non-statutory committees which shall have their well defined Charters.
- The HOD initiates appropriate administrative measures for strengthening the teaching learning processes. HOD is given freedom to take academic/administrative decisions.
- Dean, Academic affairs have authority and responsibility to modify, interpret, adapt and change academic policies.
- Controller of examinations looks after examination related tasks assisted by Assistant controllers of examinations and Conveners of External/ Internal Examinations.
- Dean Student Affairs is responsible for creating and maintaining a safe, healthy and supportive environment and culture that synthesizes the intellectual, physical, social, emotional and spiritual development of students in a holistic way.
- TPO looks after tasks related to Training and Placement activities.
- All the activities of the institute are meticulously planned, properly coordinated and perfectly executed.

Academic Activities:

Decisions pertaining to academic matters are decentralized to a large extent. Allotment of course work, monitoring of syllabus coverage, planning and organizing seminars guest lectures, workshops, industrial tours, staff orientation programmes, remedial sessions, Personality development programmes, add on courses, project works are also organized as per the instructions of the HOD.

Financial Powers:

The Principal has reasonable autonomy to take financial decisions in consultation with the management, pertaining to procurement of lab equipment, funding seminars, workshops, Departmental expenditure.

The following statutory committees are functioning in the college to look after the administrative and academic procedures as per the norms stipulated by the University Grants Commission.

Statutory committees:
- ➢ Governing Body
- ➢ Academic Council
- ➢ Boards of studies

In addition to the statutory committees, the college has the following Nonstatutory committees.

Non-statutory committees
1. Academic Monitoring Committee
2. Admissions Committee
3. Anti-ragging Committee
4. Women's Cell
5. Campus Facilities and Maintenance Committee
6. Alumni Affairs/Stake Holders Committee
7. Disciplinary Committee
8. Finance & Purchase Committee
9. Grievance Appeal Committee
10. Library Advisory Committee
11. Student Activities Committee
12. Training & Placement committee

The above committees are functioning in order to facilitate the successful implementation of autonomy. Each of the committees conducts its meetings and the minutes are recorded. The Disciplinary committee is constituted on dynamic basis for both academic and general discipline. The college has 'Anti ragging Committee' with a representation of the teaching and non teaching staff members and students which looks into anti ragging measures.

In addition to the above, vigilance committees are formed with staff of the college with specific schedules and locations in the college, especially during the initial months of the academic session for the First year students of B.Tech and other programmes.

6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.

The college has advanced multifold in all aspects by planning 183 proposals and worked for the initiation/ realization of the proposals.

Our college has been accredited by NAAC in 2012. Under graduate course ME, ECE, CSE are accredited by NBA in 2005 and 2011 where as EEE accredited in 2005 By NBA.

Some of the Year wise Major achievements are:
Year 2016-2017:
- ➢ B.Tech (Electronics and Telecommunication Engineering) course is started.

Year 2015-2016:

- The college has been identified as College with Potential of Excellence.
- Dr.G.Bhaskar, MBA has received a researcg grant titled "A Study on psychological attributes relating to social networking use among the college students of Andhra Pradesh (2016-18)" under DST-CSRI scheme - 35.82 Lakhs
- Hima Bindu G B has received a research grant titled "Energy and QoS Management in Cloud Computing Environment (2016-18)" under DST-WOS-A under scheme - 29.60 Lakhs

Year 2014-2015:

- B.Tech (Automobile Engineering) and M.Tech (Machine Design) courses are started
- Prof .D.Krishnamohan Raju, ME, Received a research grant titled "Design and development of efficient cooking stove" under UGC-Miner research project- 1 Lakhs
- Prof M.Mohan Babu, CE, Received a grant titled "Rural Women Technology Park in Puthalapattu Mandal (Mutirevula Village), Chittoor District, Andhra Pradesh." Under Department of Science and Technology(DST),SEED/WTP/011/2014-

Year 2013-2014:

- M. Dharanisree, EEE Received a research grant titled "Enhancement of real-time power analysis and control for distributed generation interface using FPGA" under DST-WOS scheme- 18.6 Lakhs
- Dr. G. Bhaskar Kumar, HAS, Received a research grant titled "An Investigation for Potential Single Phased Emission Tunable Nano-Phosphors for White Light Emitting diode applications" under DST-Young scientist scheme-29 ,00,000 Lakhs
- Prof M.Mohan Babu, Civil Received a grant titled "Rural Women Technology Park in Puthalapattu Mandal (Mutirevula Village), Chittoor District, Andhra Pradesh." Under Department of Science and Technology(DST),SEED/WTP/011/2014-
- Dr. J. Janet,CSE Received a research grant titled "Optimizing data movement in cloud computing" under DST-WOS scheme- 26.88 Lakhs

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

YES

Our college has a formally stated quality policy

Quality Policy

Sri Venkateswara College of Engineering and Technology strides towards excellence by adopting a system of quality policies and processes with continued improvements to enhance students' skills and talents for their exemplary contribution to the society, the nation and the world.

The perspective plans and policies are prepared by the various committees based on the activities proposed by various departments for the calendar year. The governing council grants permission for the perspective plan to be presented to the stakeholders.

Board of studies and Academic council ensures the curriculum to meet the industry and social requirements Academic planning committee prepares an academic

calendar by incorporating various academic activities, events and programmes to be conducted throughout the calendar year.

Training and placement cell proposes the various training programme on language skills, interpretation skill, aptitude skill, value added courses and industry interaction at the beginning of the academic year Faculty development committee proposes the different training programme to improve their teaching skills, leadership skills, research skills, technical skill and Faculty empowerment programmes at the commencement of the academic year

6.2.5 **How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?**

The class- interaction Committee with student members discusses the academic& administrative problems and the grievances of the students. Students welfare committee and Grievance appeal Committee are engaged to collect genuine grievances are redressed promptly.

Student welfare Committee Members

Sl.No	Name	Designation	Role
1	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2	Sri A. R. Babu	Associate Professor, ME	Member
3	Sri J. C. Naidu	Associate Professor, ECE	Member
4	Sri J. Velmurugan	Asst. Professor, CSE	Member
5	Sri A. M. Rangaraj	Asst. Professor, MCA	Member

Functions
1. Scrutinize the applications received from the students for welfare scholarships and recommend to the welfare office.
2. Scrutinize the request from the students and recommend to the management for financial support to deserving students.
3. Recommend to the governing body for the institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.

Grievance appeal Committee Members

S. No	Name	Designation	Role
1	Dr. E. Lokanadha Reddy	Vice Principal	Convener
2	Dr. T. Devaraju	HOD,EEE	Member
3	Dr. T Sunil Kumar Reddy	HOD, CSE	Member
4	Prof. N. Senthil Kumar	HOD,MCA	Member
5	Sri T. Raghunadha Reddy	Librarian	Member

Functions
1. To receive Grievance from faculty, staff and students/parents.
2. To find the facts of the grievances.
3. To suggest remedial and preventive measures.
4. To review the suggestions/complaints raised by the students during periodical counseling.
5. To review the outgoing students feedback.

6.2.6 **Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

YES

The college has a mechanism for analyzing student feedback on institutional performance. There is a regular feedback from students on all teachers at the end of each semester. A student-evaluation format is filled by all students in respect of each subject taught. The format for analyzing student feedback on institutional performance is shown below

ALUMNI SURVEY
Sri Venkateswara College of Engineering & Technology (Autonomous)

R.V.S. Nagar, Chittoor

Dear Alumni,

We need your help in evaluating B.Tech programme by completing the short survey mentioned below. Your feedback is valuable for us in order to continually improve B.Tech programme. The aim of this survey is to evaluate how B.Tech programme has prepared you for professional life after graduation. Your responses will be kept confidential and will not be revealed to anyone outside the Department without your permission.

1. Your Current Position and Employer: _____
2. Your contact phone number and email Address: _____
3. Please indicate the year of graduation from Department of SVCET: ___
4. Employer's Address: -- Other qualifications earned after graduation: ----
5. Current job description in brief: ----
6. Please indicate the degree to which you agree with the following statements:

(5: strongly agree, 1: strongly disagree, NA: Not Applicable)

In the first few years after graduation from SVCET your ratings on the following	Agree------------------------------Disagree					
	5	4	3	2	1	NA
Do you feel that the energy related subject knowledge gained in UG programme is useful to your employability and career growth?						
Is the basic design knowledge learnt in the UG programme sufficient to take up a career in the design field?						
Do you feel that the knowledge related to basic sciences is useful to analyze and solve problems in industry?						
Do you estimate the impact of technology advancements on industry and customer?						
Do you have the confidence in applying the Engineering knowledge to utilize all resources effectively to reduce the cost of product with minimum pollution?						
Are you able to involve effectively in a team work to achieve the required target?						
Do you feel comfortable in communicating with all kinds of people in the industry in your day- to-day works?						

Do you have enough thrust to update your knowledge, skills to sustain in this competitive world?						
Do you have sufficient knowledge and ability to manage the finance and other resources in an industry?						

Would you like to add any information / comments regarding their career?

Date:

Place:

Thank you for participating!

Sri Venkateswara College of Engineering & Technology (Autonomous)

R.V.S. Nagar, Chittoor

Employer Survey – Evaluation of Graduates

Departments request your feedback regarding graduates (our Alumni) whom you have supervised. Please do complete short survey mentioned below and help us to improve our B.Tech programme persistently and to maintain our accreditation. The purpose of this survey is to evaluate the effectiveness of the programme but not intended to solicit specific commentary on a single person. Your feedback is very worthful.

1. Your designation and company name: _____
   _____
2. How many graduates of our institute did you supervise:
3. Overall, how do SVCET graduates compare to graduates from other institutions: Better prepared/ Less preparedon par with other institutions.
4. Please indicate the degree to which you agree with the following statements concerning our graduates you supervised: (5: strongly agree, 1: strongly disagree)

Our graduates in your organization are	Agree---------------------------- Disagree					
	5	4	3	2	1	NA
1. Are they able to to use energy related subject knowledge in their job and is it useful for their career growth?						
2. Are they able to communicate comfortably with all kinds of people in industry?						
3. Are they able to take up the design problems related to mechanical components?						
4.Are they able to involve effectively in a term work to acheive the required target						
5.Able to estimate the impact of advanced technology utilization on industry growth/ project						
6. Are they sincere to their duties with commitment and enthusiasm?						

Would you like to add any information / comments regarding their career?

Thank you very much for your time and effort in completing this survey.

Efficiency of the System:
- The mentoringsystemdevelopedby department is effective.
- Classwork attendance has been improved. The involvement of the students in presenting papers in the Symposiums, preparing modelsinexhibitions, participation in cultural activities has been increased.
- The faculty members pay an attentition to each student regularly. Since the number is limited to 30 and take extra care to slow-learners by arranging extra classes to week students beyond the working hours.

Feedbackanalysisandreward/correctivemeasures taken, ifany(5)

NAAC SSR Report 2013-17

A standard feedback questionnaire is collected from the students every mid-semester course wise.

Format of Feedback Details:

FEED BACK FORM FOR TEACHER EVALUATION BY STUDENTS

Name of the Department / Institute _____
Class _____ Session_____ Semester _____
Name of the teacher: _____ Subject taught & Course No. _____ Total
Number of lectures delivered by teacher in the session / semester: _____.Number of classes attended by the student filling the form with percentage _____.

(If the student filing the form has less than 75% attendance he /she is requested not to fill the form.) _____

IN THE FOLLOWING TABLE TICK (√) THE APPROPRIATE CHOICE FOR EACH POINT.

	Rating ⟹ / Subject ⟱	(Below Avg.) 1	(Avg.) 2	(Good) 3	(Very Good) 4	(Excellent) 5
A.	**TIME SENSE**					
1	Punctuality and Regularity in the Class					
2	Completes syllabus of the course in time					
	Sub Total (A)					
B.	**SUBJECT COMMAND**					
3	Focus on Syllabi					
4	Self-Confidence					
5	Communication Skills					
6	Skill of linking subject to life experience & creating interest in the subject					
7	Refers to latest developments in the field					
	Sub Total (B)					
C.	**USE OF TEACHING METHODS / TEACHING AIDS**					
8	Uses of teaching aids (Blackboard/PPT's/Video lectures etc)					
9	Shares the answers of mid test questions after the conduct of test.					
10	Makes sure that he / she is being understood					
	Sub Total (C)					

D.	**HELPING ATTITUDE**						
11	Helps student in providing study material which is not readily available in the text books say through e-sources, e-journals, reference books, open course wares etc.						
12	Helps students irrespective of ethnicity and culture / background and gender						
13	Approach towards developing professional skills among students						
14	Helps students in realizing career goals						
	Sub Total (D)						
E.	**LABORATORY INTERACTION (Only for Laboratory Courses)**						
15	Regular checking of laboratory observation books / Records						
16	Helping the students in conducting experiments through set of instructions or demonstrations						
	Sub Total (E)						
F.	**CLASS CONTROL**						
17	Control mechanism in effectively conducting the class						
18	Skills of addressing inappropriate behavior of students						
19	Tendency of inviting opinion and question on subject matter from students						
20	Inspires students for ethical conduct and acts as a role model						
	Sub Total (F)						
	Total (A+B+C+D+E+F)						

Additional Remarks (If any): ---

– –

(Please cut along the dashed line and deposit it separately)
Name of the Student ………………………………………………………………………………
Name of the Department / Institute ……………………………………………………………….
Name of the Teacher who has been evaluated ………………………………………………..
Title of the Course and Course No. taught by the teacher …………………………………………
Session ………………Class ……………Semester …………. Roll No………………….

Date: ………………..   **Signature of the Student**

- Feedback mechanism isa well organized systemin the college.
- The system of feedbackcollection is manual
- Collected feedback isscrutinized bythe head ofdepartment.
- The feedbackis quantified
- All the parameters mentioned in the feedback form will be analyzed.
- Ability of teaching with respect to each item and comprehensive ability of the teachers will be analyzed
- Allthecommentswrittenbythestudentsinthefeedbackformswillbecommunicated to therespectivefaculty membersalong withtheirfeedback levelsto know their strengths and weaknesses and toenhancetheir teaching skills.

Percentageof studentsparticipating: 75% to 95%
Basis of reward / corrective measures, if any   :
- Faculty members whoget average feedbackbelow 3 on 1-5 scale are identified.
- Those faculty members are given orientation lectures and special inputsby the head ofthe department.
- Alsothefacultymemberswhogetaveragefeedbackof4orabove4on1-5scaleare appreciated.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

Affiliated university "Jawaharlal Nehru Technological university Anantapur, Anatapuramu" supporting to identify the developmental needs of the college.

➢ Dr. V.Sankar, DAP, JNT University, Anantapur is a member of governing council of our college. He is helping to make policy and strategic decision for the development of the college.
➢ Dr. K. Hema Chandra Reddy, Registrar, and Dr. P.R. Bhanu Murthy, Director of Evaluation, Admissions, JNT University, Anantapur are the members of the academic council and associating to make academic decision.
➢ A senior professor from the JNT University, Anantapur is nominating a member in the Board of studies of the department to finalize the regulations and curriculam developments
➢ JNT University, Anantapur has giving admission to pursue PhD programmes op for our college faculty members.
➢ A senior professor from the JNT University, Anantapur is nominating a member to associate the Examination and result publication process. **Refer 6.1.5 section**

University Ratification

A Committee with the following members is constituted under the chairmanship of the Vice Chancellor of the affiliating university, to oversee the ratification procedure. The members of committee include;

1. Subject Expert (2 to 3)
2. Principal of the affiliated Institution
3. Secretary or Nominee of the Correspondent
4. Nominee of the Commissioner of Technical Education
5. Registrar of the affiliating university
6. Director of Academic and Planning of the affiliating university

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.

YES

The affiliating JNTUA, Ananthapuramu has a College Development Council (CDC) for the purpose of proper planning and integrated development of its affiliated Colleges. SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS) CHITTOOR-517127 (A.P) gets the benefit of it in the following ways:

The University guides the college in regard to rationalization and implementation of University policy on affiliation of the college.

➢ CDC helps the college in implementation of the regulations framed by the UGC regarding minimum standard of instruction for the award of first degree and also regarding restructuring of courses at the undergraduate and post graduate level.

➢ The CDC serves as an academic guide to the college and ensures interaction between academic faculties in the university departments and teachers in the college.

➢ Principal of the college attends the meetings conducted by CDC of the University and bring out and implement the suggestions in the college if any for raising the standards of education in the college.

6.2.9 How does the College get feedback from non-teaching, teaching, parentsand alumni on its functioning and how it is utilized?

The college receives the suggestions and feedback about the college development along with the activities and achievements carried out in an academic year through self-appraisal which are taken from the Teaching /Non- Teaching members of the college at the end of every academic year.

The feedback forms are sent to the parents and alumni randomly and suggestions and feedback is collected from them. The collected feedbacks are reviewed by the Principal and the HOD's and the same is informed to the management for the necessary corrective action for the improvement of the college.**(Alumini survey   sample copy given in 6.2.6)**

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

YES

The College encourages the autonomy to its academic departments in the areas of curriculum development, laboratory development and faculty development programmes.

6.2.11 Does the College conduct performance auditing of its various departments?

YES

The internal audit is regularly carried out every year. The external audit is done annually. Academic planning and auditing committee ensures the right practice of academic activity. Internal quality audit cell make sure the documents required for the inspections like UGC, NBA, NAAC, AICTE, DOTE, and university fact finding committee.

6.3 Faculty Empowerment Strategies.

6.3.1 **What efforts are made by the College to enhance the professional development of teaching and non teaching staff?**

The management has introduced the following incentives to encourage the faculty.

a) If the pass percentage in any theory subject is 95 percent and above (based on number of students registered), the concerned faculty member will be awarded an amount of Rs. 1,000/- (Rupees one thousand only) and citation.

b) An incentive of Rs. 1,500/- (Rupees Fifteen hundreds only) will be awarded to the HOD of the each department, if the average pass percentage in any class (excluding 1st year), by considering two semesters of the year (for example 2nd year, 3rd year etc.), is more than or equal to 80 percent (based on number of students registered).

Teaching staff:

➢ The College encourages the teaching staff to enroll for higher degrees to improve their technical skills and capabilities.

➢ Conducts Faculty development programmes in thrust areas, seminars, workshops and conferences in the college.

➢ Faculty members are sanctioned leave for upgrading their qualification.

➢ Encourages faculty to participate in FDPs, seminars, workshops and conferences conducted outside the college so that the faculty can understand trends and improvements in their peer professional group.

a) Faculty members who attend Faculty Enablement Programmes such as workshop / conference / seminar and symposium will be paid half of the actual expenditure subject to the maximum of Rs. 1,500/-(Rupees Fifteen hundreds only) if there is no financial support from the organizers of the programme. The actual expenditure includes registration fee, traveling, lodging and boarding. The maximum ceiling per academic year under this head is Rs. 1500 /- (Rupees one thousand five hundred only) per head. However the faculty members are permitted to attend any number of FEP programmes, their absence during the programme period will be treated as "on duty".

b) Financial assistance to the above programmes is limited to Rs.15,000/- (Rupees Fifteen thousand only) for each department per academic year.

➢ Incentives are given for research paper publications.

a) For the faculty members to publish the papers in national/international conferences, half of the expenditure subject to a maximum of Rs.1500/-(Rupees Fifteen hundreds only) will be reimbursed provided if there is no financial support from the organizers. This award is limited to the FIRST author only. The maximum ceiling per academic year under this head is Rs. 1500 /- (Rupees one thousand five hundred only) per head.

b) For the faculty members to publish the papers in any national journals, an incentive of Rs. 1,000/- (Rupees one thousand only) per article will be paid subject to a maximum of Rs. 2,000/-(Rupees two thousand only). This award is limited to the FIRST author only.

▪ TA, DA and other Expenses for attending paper presentations and training programmes.

▪ Cash incentives for the award of research grants/ seminar grants.

▪ Faculty members are motivated to use journals, books, CDs for self learning.

▪ The Institution has signed MOUs with various Organizations with an objective of collaborative learning between Industry and Academia.

- The College introduces new equipment and software in laboratories to improve practical skills and thus able to stand higher in their professional capabilities.

Non Teaching staff:
- The College encourages the Non-teaching staff to enroll for higher degrees to improve their technical skills and capabilities.
- Hands on training is provided for non teaching staff to improve their practical skills
- Non teaching staff is also deputed to participate in external projects to enhance their skills.
- They are deputed to industry for training whenever new equipment is purchased.
- College introduces new equipment and software in labs regularly, thus providing a platform to enhance their professional skills.
- Incentives are given for acquiring higher degree.

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Performance appraisal reports of all the teaching and non teaching staff are collected from the Heads of the departments annually by the Principal and are reviewed. Based on the review report, promotions and additional increments are considered. Before the grant of the regular increments also a confidential report is submitted from the Heads of the departments. Under special circumstances, staff are counseled, guided and motivated for their improvement regarding personal, academic and administrative issues.

6.3.3 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?

Following welfare schemes are initiated for the benefit of faculty members
- Teaching and Non Teaching staff completed one year of service are provided with Provident Fund (PF).
- Gratuity provided to all non teaching staff.
- Medical leaves are provided to all staff members who have completed one year term.
- Under same Management free medical and diagnosis checkup is provided to all teaching and non teaching staff members in RVS hospitals.

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

- Free Bus is provided to all HODs and staff.
- Provides all basic amenities for comfortable stay at college during working hours.
- Encourages faculty by giving incentives for publishing papers at conferences and in journals.
- Provides excellent research facilities and academic ambience for retaining eminent faculty and attract the faculty from outside.
- Provides academic freedom to the faculty to experiment new technologies and methodologies of teaching and learning facilities.
- Incentive for acquiring a PhD degree during the service.

6.3.5 **Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.**

Even though no formal gender audit is conducted, the college has a rich tradition of providing equal opportunities to both the genders. The college constituted a separate committee to look into the issue of women empowerment through Women's Cell.

6.3.6 **Does the College conduct any gender sensitization programmes for its staff?**

Women's Cell with a senior lady faculty member as chairperson (Refer 6.1.5 section) was formed by the college. It is intended to put forward steps for the comfortable stay of the lady staff in the college.

Basic functions of the committee:
- ➢ The committee interacts with its members regularly.
- ➢ Women grievances are given utmost importance and attended promptly

6.4 **Financial Management and Resource Mobilization**

6.4.1 **What is the institutional mechanism to monitor effective and efficient use of financial resources?**

The Finance Committee of the institute, an advisory body to the Governing Body, consists of

1. The Principal (Chairman).
2. A person nominated by the Governing Body of the college.
3. A senior staff member of the college nominated by the Principal. It will meet to consider,
   a) Budget estimates relating to the grants received /receivable from funding agencies, and income from fees, etc. collected for the activities to undertake the scheme of autonomy.
   b) Audited accounts for the above.

Financial planning is also done by the Principal in consultation with all the related committees. The finance committee exercises the final say in any of the financial matters. The Finance committee plans for the following:
- Salaries of regular staff, ad-hoc staff, time bound staff, part-time staff,
- NMR staff, contract labor, daily wage labor, labor through outsourcing etc.
- Establishment and Maintenance, including the electricity and telephone bills, Correspondence cost.
- Statutory fee, Affiliation fee, youth festival fee paid to university, NBA Accreditation fee, AICTE prescribed fee etc.
- Examination section related expenditure.
- Equipment related expenditure covering Computers, Peripherals and Installation.
- Expenditure relating to Lab equipment &classroom equipment, Maintenance related (Civil, electrical etc.)
- Academic activities like conferences, Co & extracurricular activities, including National festivals Organization
- Infrastructure, Office infrastructure, including stationery, Classroom infrastructure, planning civil constructions, including buildings and individual items in association with Campus Facilities & Maintenance Committee etc.

- Repairs of all kinds
- Service oriented activities
- Hospitality for visitors other than those invited for conferences etc. like special meetings e.g. Governing body, Academic Council, Finance Committee, BOS etc.
- Campus Interviews
- Website Maintenance
- Library purchases Books, Journals, Computers, Information processing
- Software, information portals
- Campus communications installation and maintenance
- Special functions like Fresher's day, Engineers' day, Sports events, College day etc.
- Printing expenditure
- New Programmes of study at different levels
- Introduction of new courses in the existing programmes, including increase in intake for the existing ones.

Annual Budget for departments
- Financial Transparency for efficient use of financial resources is incurred through all the monetarytransactions (both the receipts and payments) are processed through a Nationalized Bank.
- Information pertaining to funded projects is also placed on the website.
- The statements of accounts are audited by certified Chartered Accountants.

6.4.2   Does the college have a mechanism for internal and external audit? Give details.
YES

Internal Audit is conducted by the personnel appointed by the management which involved vouching, verification of day to day transactions and following up with statutory compliances.

External audit is a statutory audit conducted by a external auditor who is a chartered accountant in practice.

6.4.3   Provide audited income and expenditure statement of academic and administrative activities of the previous four years.

An audited statement of the previous four years is enclosed.

6.4.4   Have the accounts been audited regularly? What are the major audit objections and how are they complied with?
- ➢ Accounts have been audited regularly.
- ➢ There are no audit objections.

6.4.5 Narrate the efforts taken by the College for resource mobilization.
Authorities guide and encourage faculty to submit proposals for research grants.
- All the expenses are met from the student tuition fees and other resources like Research grants and UGC grants.
- Revenue is generated through testing and consultancy.
- Funds are also obtained from student's examination fee.
- Funds are also mobilized through donations from philanthropists and social service organizations.

6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

NO

6.5   Internal Quality Assurance System

6.5.1 Does the College conduct an academic audit of its departments? If yes,give details.

YES

Sri Venkateswara College of Engineering & Technology, Chittoor, post N.B.A visit has decided to establish Internal Quality Assurance Cell for establishing our own internal mechanisms for sustenance, assurance and enhancement of Quality of Education imparted by us. Internal Quality Assurance Cell (IQAC) of the college has been established in the year 03/2011. The IQAC channelizes and systematizes the efforts and measures of our institution in achieving academic excellence. With IQAC the institution can strengthen the internal quality assurance system, with appropriate structure and processes, with enough flexibility to meet the diverse needs of state holders. The IQAC is meant for planning, guiding and monitoring, quality assurance and quality enhancement activities of SVCET, Chittoor. In addition to the above, the committee takes up any suggestions from the academic and administrative audit by the inspection committees, including the AICTE, NBA, UGC, APSCHE and private/ corporate institutions.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

➢ Lesson plans are prepared and reviewed thoroughly for including practical tasks.
➢ Learner centric interaction is implemented to make the student to be proactive and dynamic.
➢ Advanced audio/visual teaching aids are provided in more than 50% of the classrooms.

6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

YES

Internal Quality Assurance Cell continuously reviews the teaching learning process. Internal Quality Assurance Cell is formed with Principal as a Chairman and 10 members are appointed by the Principal. The committee will conduct the audit twice in a year.

➢ IQAC evaluates the teachers on their teaching and research as well as extension performance based on their Self Appraisal Reports (SAR) submitted every year. The evaluation, based on SARs helps in ensuring academic accountability of teachers and monitoring of their major research projects and other academic activities.
➢ The Principal sends commendation letters to the teachers who have done reasonably well, so as to motivate them further.
➢ The teachers are also evaluated by the students and their analysis and the outcome are intimated to the teachers concerned to help in improving their performance.

- ➢ The Evaluation is also made department-wise by the IQAC. This analysis also helps in drawing a road map of the college for improving teaching learning and research.

Structure of the IQAC:
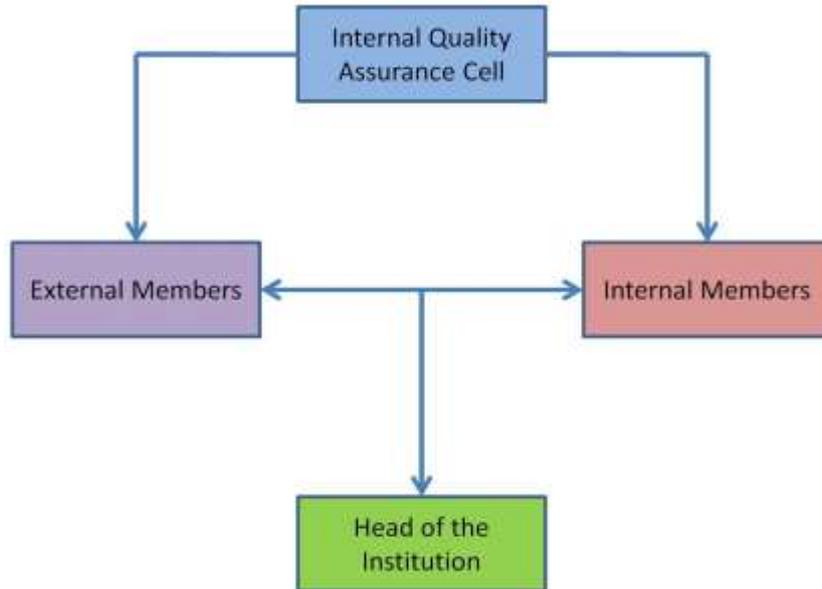
Function of the IQAC:
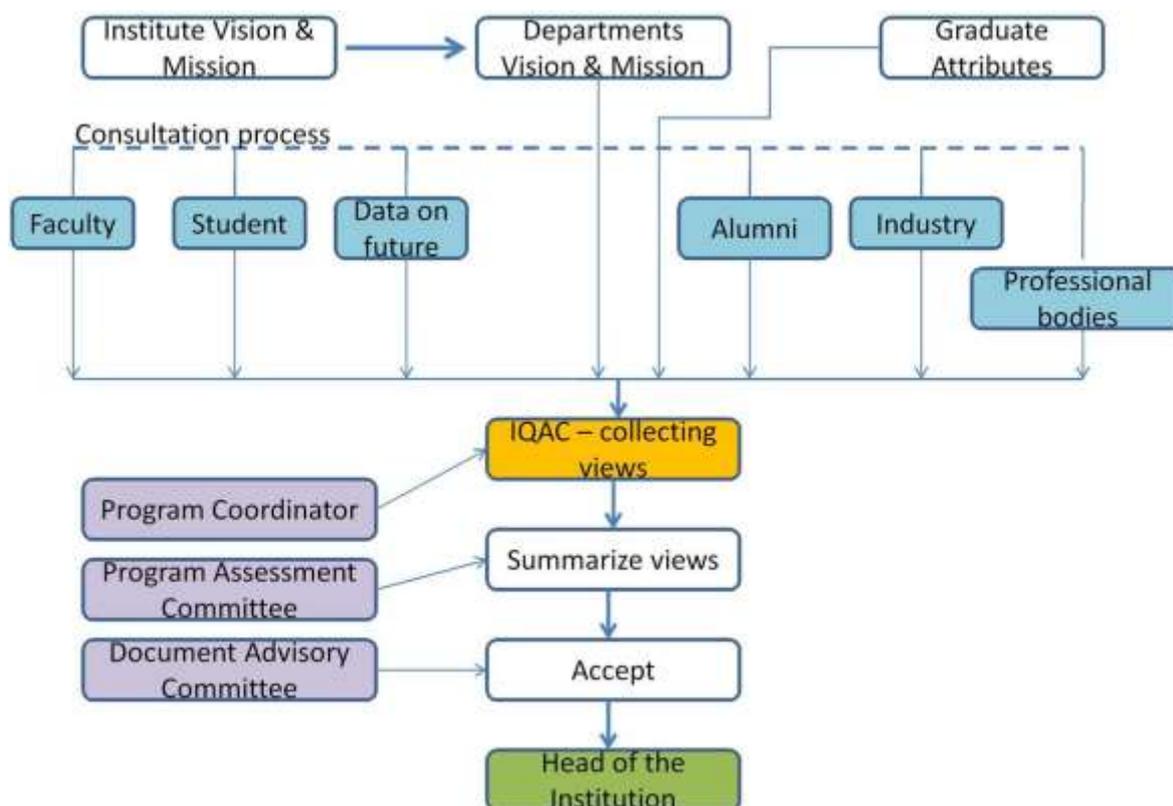
6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC is contributing to the institute in the following quality assurance strategies and process issues:

- ➢ Identify the processes needed
- ➢ Determine the sequence and interactions
- ➢ Determine criteria and methods needed
- ➢ Ensure availability of requisite information and resources
- ➢ Measure, monitor and analyze
- ➢ Ensure, achieve planned results and improvement.
- ➢ Suggest modifications to academic regulations & Curriculum syllabus and the rest based on the following
- ➢ Post pedagogic execution audit by statutory bodies like NBA, AICTE, APSCHE and university committees
- ➢ Pre-execution audit
- ➢ Post pedagogic execution audit
- ➢ Review of the teaching processes, teaching models, technical support mechanism and internal assessment performance of the students
- ➢ Analysis of the results (with Micro orientation)
- ➢ Ascertaining the social and industrial relevance of a particular course to be introduced.
- ➢ Recording attendance for every class in the first five minutes
- ➢ Instant consolidation of attendance in the registers.
- ➢ Entering subject wise attendance through software developed for the purpose.

➢ Posting of letters to the parents of the students for shortage of attendance/marks.
➢ Displaying the attendance.
➢ Asking students to submit medical certificates immediately after reporting to college if the absence is on medical grounds.
➢ Ascertaining the genuine nature or otherwise of the certificates submitted.

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

YES

IQAC has four external members.

External Members:
1. Dr. K. Hemachandra Reddy, JNTUA, Anantapur
2. Dr. G.V.Marutheeswar, Dept of EEE, SV University, Tirupati.

The activities of the external members are
a. Syllabus review and up gradation
b. Improvement of evaluation process

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

YES

The Institution has a mechanism to record the incremental academic growth of the students admitted from the disadvantaged sections. For every twenty students in the class a counsellor is allotted. Teacher counselors record in the counseling register a comment on his/her incremental academic growth. The institution has a mechanism to check and record the marks secured by the disadvantaged sections of the students.

Availability of counseling facility:

The Institution has a multi layered Counseling mechanism.

a) **General Counseling and Mentorship:** Immediately on the admission into the First year of the B.Tech Programme, the Institution commences its process of mentoring the students by employing the method of Group counseling as well as individual counseling. 20 students are attached to a teacher counselor. The teacher counselor is advised to monitor the regularity in attendance and performance of the student in academics. In addition to the above, the teacher counselor is expected to offer counseling human values and core principles of success to the students attached to him / her self.

b) **Behavioral Counseling:** The Institution invites experts in the field and arranges Lectures and orientation programmes to offer training in several aspects related to organized and fruitful human behavior

CRITERIA – VII
INNOVATIONS AND BEST PRACTICES

7.1   Environment Consciousness:

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

YES

The Institute is conducting a Green Audit in its campus and facilities starting from the academic year 2014-15. The audit is planned in three phases.

Pre-Audit: Various initiatives during the academic year are confirmed.

Audit: The Green Audit is conducted by an Internal Green Audit team every year.

Post-Audit: Based on the Internal Audit report, the Institute will review environment related initiatives that are implemented. Then formulate the action plan for the next academic year in order to have better environmental sensitization.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy Conservation: Energy saving techniques are ensured by lights and fans switched off by the students, attendants and staff after completion of the last lecture of the day. Air-conditioners in laboratories, office and staff rooms are switched on depending on the requirement and switched off afterwards. LCD monitors are used in the Computer labs to consume less energy. External lightings are on between 07 p.m. to 03 a.m.

Classrooms are made with sufficient cross ventilation and light so that the use of electricity is minimized

Paper work and use of papers have been reduced drastically by use of ERP software.

Non-Conventional Energy: The Institute has installed a 1 kW wind power, and 1 kW of Solar Power. Planning to install more solar panels in the college as well as in the hostel to harness the more green energy.

Water Harvesting: The Institute has made a plan to harvest rainwater for use in the washrooms and laboratories.

Efforts for Carbon neutrality: The Institute has taken steps toward reducing greenhouse gas emissions by way of
  a. Installing five star energy equipments,
  b. Increasing the number of buses for the travel of Students and Faculty members,
  c. Reducing the business travels by setting up conference calls,
  d. Saving of papers for office use by utilizing one sided papers for internal communications.

Plantation: Trees are planted and maintained to keep the campus green.

Hazardous waste management: Hazardous chemicals used in the college laboratory are drained after reasonable treatment so as to make it non hazardous

E-Waste management: Non-working computers, monitors and printers are discarded and scrapped on a systematic basis. If some parts are useful in other systems they are kept aside for future use.

7.2 Innovations:

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

Academic Innovation: Semester system has been introduced in the 1st year B.Tech course. Accordingly syllabi of the various semesters are revised to suite the new scheme.

Campus Champs-ERP software has been installed with the following advantages:

a) To eliminate work duplication by making information seamlessly available to every department.
b) To reduce Paper work, improve work efficiency, accountability and save time.
c) To relieve Academic Staff from administrative workload.
d) To reduce Result Processing and Publishing Time.
e) To increase Parent Teacher interaction and improving their communication.
f) To examine the academic performance of Students/Teachers/Classes easily.
g) To get a complete picture of your budget by integrating financial transactions across all the departments.

Innovation centres:

- Microsoft Innovation Centre (MIC)

Innovations in Administrative System:

- **Office Automation:** The administrative work of the college is completely automated and systems are provided to the office staff. Sufficient training was given to the office staff in efficiently utilizing the computers. Office automation helps to reduce the delays in providing service to the stake holders. Entire campus is under CC camera survellieance.

- **Growth in Faculty Hierarchy:** For bringing improvement in the academic field, the following senior professors were nominated as Director/Dean with additional responsibilities for better functioning of the college.
  1. Dr. M.Muralidhar, M.E, Ph.D - Director
  2. Dr. B. Kotaiah, B.E., M.E., Ph.D - Dean
  3. Dr. K.L. Narayana, B.E., M.E., Ph. D - Dean
  4. Dr. O. Vekkata Krishnaiah Chetty B.E., ME., Ph.D – Dean
  5. Dr. A.V. Narashimha Rao, B.E., M.Tech (IIT-M), Ph.D (IIT-M), FIGS, FIE, MISTE, MISSRMTT, C. Engg (India) – Dean
  6. Prof. A.S.N. Murty, M.E., MIE, MISTE, C. Engg (India) – Dean
  7. Dr. U. Harinath, B.Tech, M.Tech, Ph.D – Dean
  8. Dr. M. Sudhakar Reddy, B.Tech., M.Tech., Ph.D – Dean

- **Enhanced Internet Bandwidth**: The internet facility with bandwidth of 70 Mbps is available throughout the campus.

Innovations in Academic System:

- **Library automation:** The central library is automated to cater to the needs of students and staff. The Library offers computerized catalogue search through the OPAC Service. The library has provision for reading e-books, online courses and watching CDs/DVDs.

- **Developing Library Network service:**For sharing resources with other libraries to enhance teaching-learning process, the college joined as an institutional member of DELNET. Through DELNET we can access 320 e-journals and has access to ILL (Inter Library Loan) facility from various national and international libraries and organizations.
- Our library has implemented Radio Frequency Identification (RFID) system whereby self issue and self return of books facility are implemented. We are the first college in Andhra Pradesh to implement this system.
- **Establishment of e-class rooms:** We have established e-class rooms to provide online learning environment. This e-class room is being used for conducting training classes and workshops for students & staff. More number of e-classrooms are expected to be established in future.
- **Usage of NPTEL Video lectures:** NPTEL (National Programme on Technology Enhanced Learning – A joint venture of IITs and IISc) web courses and video courses are being used by staff and students to enhance teaching-learning process.
- **Subscription of e-journals**: The institute subscribes Electronic journals / magazines from Science direct (Elsevier) and DELNET Digital library every year. These resources are being used by staff for research work and by students for their project works and term papers.
- **Usage of LCD Projectors:** LCD projectors were fixed in some of the class rooms in each department and teachers are encouraged to use the projectors to provide quality teaching.
- **Training Programmes for Placement:** Personality development is a major requirement for professional students. The institute is organizing several training programmes from second year onwards for improvement of their personality. Campus Recruitment Training classes are also conducted in each department. These programmes are organised from second year onwards playing vital role in placements and career development of the students.
- **Experiential Learning:** Workshops and seminars are being organized by various departments to improve the practical skills of the students in latest trends and technologies. Eminent people from the industry are being invited to the college to give practical exposure to the students in various fields.
- **College mail server:** The Institute has established a mail server to provide mail service to staff & students. This mail service provides effective communication and provides mail IDs with college name to identify the current legal users of the organization.

7.3   Best Practices:

The institution promotes many best practices to improve the quality of education and teaching-learning process.

1) Enhancing student skills set:
- **Objectives of the practice:** In addition to the academic activities, the institute is making efforts for all round development of the students. The objectives are to develop & enhance the following skills in the students:
  a) Technical skills,
  b) Interpersonal skills
  c) Organizational skills.

- **The context**: The institute has been working with the aim of making it a centre of excellence. Students from different levels & backgrounds need training to improve their technical as well as organizational skills. Considering these requirements, college is providing excellent facilities for the students to improve their skills and to achieve their career goals.

- **The Practice:**

a. Students under the guidance of faculty members organise departmental associations in each department. These associations are responsible for organising seminars and presentations, debates, group discussions, quiz etc. for developing the skill and personality of the students.

b. Eminent speakers from industry and prestigious academic institutes from India and abroad are being invited for delivering guest lectures on latest technologies.

c. E-Journals/Magazines are provided in the library to know about the new technologies and research trends.

d. The institute encourages the students to attend workshops / student meets / paper presentations to improve their technical and presentation skills.

e. National Level Student Technical Festival is conducted every year by all the departments with the participation of students from all over India helping students to enhance their technical knowledge with more exposure to new technologies and recent developments.

f. The college provides financial assistance to students to implement new ideas or thoughts as projects and encourages creative skills of the students.

g. Industrial visits are being arranged for practical exposure to students.

h. Students are being encouraged to attend summer projects / internships in the industries/prestigious academic institutions to acquire practical knowledge.

i. The institute is encouraging the students to become members of professional bodies like IIE, IETE, ISTE, IEEE etc., and various events are being organized under these professional bodies to improve their skills.

j. The college is organizing various co-curricular and extra-curricular activities through student initiated clubs for enabling all round development of the students.

- **Evidence of Success:**

a. The change in the behavior and improvement of communication skills of the students from first year to final year is an ample testimony for the success of the programmes being organized.

b. The prizes / awards won by the students in technical and other events emphasize the impact of the programmes.

c. The performance of the students in placements is an indication of the success of the programmes being organized.

- **Problems Encountered & Resources Required:** It is difficult to motivate all the students to participate in the programmes. It is monopolized by a small number of students. This is also mainly to the non-availability of space for the location of each departmental association. Formal spaces are required so that students can organize themselves freely. So, resources are required for the establishment of a separate room for the departmental associations and seminar halls for each department.

PART – C   EVALUATIVE REPORT OF THE DEPARTMENTS
Department of Civil Engineering

1	Name of the department	Civil Engineering		
2	Year of establishment	2008		
3	Courses/ Programmes and subject combinations offered	B.Tech - Civil Engineering M.Tech - Structural Engineering		
4	Number of teaching posts sanctioned and filled	32		33
5	Number of administrative / Technical staff	01		02
6	Number of students. Give details course wise (2016-17)	M	F	Total
	B.Tech	84	42	126
	M.Tech	08	04	12
	Ph.D.	--	--	--
7	Ratio of teacher to students	B.Tech :1:15 M.Tech : 1:12		
8	No. teachers in academic bodies of other autonomous colleges and Universities	02		
9	Latest revision of the curriculum (year)	2014		
10	Number of students passed in NET/SLET/GATE etc.(last 4 years)	14		
11	Success rate of students	85%		
12	Awards and recognition received by faculty (last 4 years)	04		
13	Faculty who attended National/International seminars (last 4 years)	16		
	No. of seminars attended by the faculty National + International	16		
14	Number of seminars organized (last 4 years) National + International	06		
15	No. teachers engaged in consultancy and revenue generated	06		
16	Number of Ongoing projects and their total outlay	01		
17	Research projects completed during last 4 years & the outlay	--		
18	Number of Inventions / Patents	--		
19	Number of Ph.D. theses guided during the last four years	04		
20	Publications by faculty (last 4 years)	92		
21	Average citation index and impact factor of publications	05		
22	Number of books in the departmental library, if any	820		
23	Number of computers	72		
24	Annual budget (excluding salary)	Rs. 25.35 Lakhs		

Department of Civil Engineering

1. Name of the Department & its year of establishment:

Name of the Department: Civil Engineering
Year of Establishment   : 2008

2. Name of the programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated   Ph.D., D.Sc., D.Litt., etc.

:

Bachelor of Technology in Civil Engineering (B.Tech.)
Master of Technology in Civil Engineering – Structural Engineering (M.Tech.)

3. Interdisciplinary programmes and departments involved:

Sub. Code	Interdisciplinary courses	Department Involved
14AHS01	Technical English-I	HAS
14AHS02	Engineering Mathematics-I	HAS
14AHS03	Engineering Chemistry	HAS
14AME01	Engineering Drawing	ME
14AHS07	Technical English Lab-I	HAS
14AHS08	Engineering Chemistry lab	HAS
14AHS06	Engineering Mathematics-II	HAS
14AHS04	Engineering physics	HAS
14AHS05	Environmental Science	HAS
14ACS02	Programming in C And Data Structures	CSE
14AHS09	Engineering Physics Lab	HAS
14ACS04	C And Data Structures lab	CSE
14AME03	Engineering workshop	ME
14AHS10	Probability and Statistics	HAS
14AEE14	Basic Electrical Engineering and Mechanical Engineering	EEE
14AHS12	Managerial Economics and Financial Analysis	MBA
14AHS15	Quantitative Aptitude and Reasoning-I	HAS
14AHS13	Technical English-II	HAS
14AHS14	Technical English Lab-II	HAS
14AME38	Renewable Energy Sources	ME
14ACS29	Artificial Intelligence	CSE
14AME34	Instrumentation and Control Systems	ME
14AMB02	Professional Ethics	MBA

4. Annual/Semester/Trimester/Choice Based Credit System:

Semester System – Choice Based Credit System

---

5. Participation of the department in the courses offered by other departments: YES

B.Tech. in Mechanical, Automobile, Electrical and Electronics Engineering

S.No	Subject Code	Name of Subject	Sharing Department
1.	14ACE02	Engineering Mechanics - I	ME,AE
2.	14ACE05	Engineering Mechanics - II	ME,AE
3.	14ACE10	Strength of materials	ME, AE
4.	14ACE11	Fluid Mechanics & Hydraulic Machinery	EEE,ME, AE
5.	14ACE22	Strength of Materials and Fluid Mechanics, Hydraulic Machinery Lab	ME, AE

6. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Designation	Sanctioned	Filled
Professor	07	06
Associate Professors	07	06
Assistant Professors	21	21

7. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S.No.	Name	Qualification	Designation	Specialization	No. of Years of experience	No. of Ph.D. guided
1.	Dr. B.Kotaiah	Ph.D.	Professor	Water Resources Engineering	40	11
2.	Dr. A.V. Narasimha Rao	Ph.D.	Professor	Geotechnical Engineering	35	05
3.	Dr. T.V. Krishna Reddy	Ph.D.	Professor	Engineering Geology	34	06
4.	Dr. M. Mohan Babu	Ph.D.	Professor	Water Resources Engineering	17	NIL
5.	Dr. S. Venkateswara Rao	Ph.D.	Professor	Engineering Geology	23	NIL
6.	Dr. B. Damodhara Reddy	Ph.D.	Professor	Structural Engineering	14	NIL
7.	Mr. U. Vamsi Mohan	M.Tech.	Associate Professor	Structural Engineering	19	NIL
8.	Mr. B.Raja Sekhar	M.Tech.	Associate Professor	Structural Engineering	07	NIL
9.	Ms. K. Aruna Kumari	M.Tech.	Assistant Professor	Geo Technical Engineering	03	NIL
10.	Mr. A.Venkataramana	M.Tech.	Assistant Professor	Environmental Engineering	04	NIL
11.	Mr.Th.Jagat Singh	M.Tech.	Associate Professor	Structural Engineering	05	NIL

12.	Mr.N. Kiran Kumar	M.Tech.	Associate Professor	Structural Engineering	06	NIL
13.	Mr.S.Praveen Kumar Reddy	M.Tech.	Assistant Professor	Structural Engineering	04	NIL
14.	Mr.C.Venkata Sai Nagendra	M.Tech.	Assistant Professor	Structural Engineering	03	NIL
15.	Ms.K.Srilakshmi	M.Tech.	Assistant Professor	Geo-Engineering	02	NIL
16.	Mr.P. Narasimha Rao	M.Tech.	Assistant Professor	Structural Engineering	04	NIL
17.	Ms.M.Harika	M.Tech.	Assistant Professor	Water Resources Engineering	01	NIL
18.	Ms.V.Sai Neeraja	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
19.	Ms.A.G.Sharanya	M.Tech	Assistant Professor	Geo Technical Engineering	01	NIL
20.	Ms.K.Bindumathi	M.Tech.	Assistant Professor	Structural Engineering	02	NIL
21.	Ms. Hayjy S.Mourie	M.Tech.	Assistant Professor	Transport Engineering	01	NIL
22.	Ms.K.N. Rukmini Florence	M.Tech.	Assistant Professor	Water Resources Engineering	01	NIL
23.	Mr.V.Muni Chandra Naidu	M.Tech.	Associate Professor	Environmental Engineering	01	NIL
24.	Mr.G.N.V. Sai Teja	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
25.	Ms.M.Haritha	M.Tech.	Assistant Professor	Water Resources Engineering	01	NIL
26.	Mr.R.Krishna Chaithanya	M.Tech.	Assistant Professor	Environmental Engineering	01	NIL
27.	Mr.Y.Vinod	M.Tech.	Assistant Professor	Water Resources Engineering	01	NIL
28.	Ms.V.N. Vandana Reddy	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
29.	Mr.C.Anil Kumar Reddy	M.Tech	Assistant Professor	Environmental Engineering	02	NIL
30.	Ms.K.Prathima	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
31.	Mr.M.Prakash	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
32.	Mr.K.Sasidhar	M.Tech.	Assistant Professor	Structural Engineering	01	NIL
33.	Mr.R.Anil Kumar	M.Tech.	Assistant Professor	Structural Engineering	01	NIL

8. Percentage of classes taken by temporary faculty – programme-wise information

NOT APPLICABLE

9. Programme-wise Student Teacher Ratio

M.Tech.	:	12:1
B.Tech.	:	15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic/Administrative Staff	Sanctioned	Filled
Technical staff	06	02
Administrative staff	02	01

11. Number of faculty with ongoing projects from a) national b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise : 01

S.No.	Name of the Project	Sanctioned Authority	Name of the faculty	Total Amount Sanctioned
1.	Rural Women Technology Park in Puthalapattu Mandal (Muthirevula Village) Chittoor District.	DST-SEED Division, (SEED/WTP/011/2014/G,DST, New Delhi dated 12.12.2014), duration of the project is for 3 years	Dr.M.Mohan Babu	82,50,560.00

12. Departmental projects funded by DST-FIST; UGC-SAP/CAS; DPE; DBT; ICSSR; AICTE; etc., total grants received :

S.No.	Name of the Project	Sanctioned Authority	Name of the faculty	Total Amount Sanctioned
1.	Rural Women Technology Park in Puthalapattu Mandal (Muthirevula Village) Chittoor District.	DST-SEED Division, (SEED/WTP/011/2014/G,DST, New Delhi dated 12.12.2014), duration of the project is for 3 years	Dr.M. Mohan Babu	82,50,560.00

13. Research facility/ centre with Department : NIL

14. Publications:

- ❖ Number of papers published in peer reviewed journals (national/ international): 63 Nos.

Research Publication in Journals/Conference Academic Year	Papers Published		Conference Attended/Paper Published	
	International	National	International	National
2013-14	11	-	-	-
2014-15	17	-	2	1
2015-16	09	-	4	-
2016-17	04	3	4	4

(Details are furnished in Annexure – V)

- ❖ Monographs : **NIL**
- ❖ Chapters in books : **03 Nos.**
- ❖ Edited books : **04 Nos**

S.No	Title of the text book	Name of the Author(s)	Publishers
1.	Engineering Mechanics, Strength of Materials and Elements of Structural Analysis	1.Dr.C.Venkataramaiah 2. Dr.A.V.Narasimha Rao	CBS Publishers & Distributors, New Delhi.
2.	Fundamentals of Soil Mechanics	Dr.A.V.Narasimha Rao	University Science Press, New Delhi.
3.	Numerical Problems, Examples and Objective Questions in Geotechnical Engineering	Dr.A.V.Narasimha Rao	University Press India Ltd, Hyderabad
4.	Environmental Engineering Laboratory Manual	1.Dr.B.Kotaiah 2.Dr.N.Kumara Swamy	Charotar Publishing Hourse, Anand(India)
5.	Land Disposal of Liquid Wastes, Chapter-8 in Current Practices in Environmental Science and Engineering, International Overviews, Volume-3.	1.P.Pratap Mowli 2.Dr.B.Kotaiah	IBT Publishers & Distributors, Delhi.
6.	Refuse Utilization in Rural Areas.Chapter-6 in Rural Development	Dr.B.Kotaiah	N.S.S Unit of S.V.University, Tirupathi,AP, India.
7.	Contributed two chapters in the text-book on "Geotechnical Engineering" Authored by Prof.C.Venkataramaiah	Dr.A.V.Narasimha Rao	New Age International Publishers Ltd, Delhi.

- ❖ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database –International Social Sciences Directory, EBSCO host, etc.):
- ❖ Citation index – Average - **05**
- ❖ SNIP : **NIL**
- ❖ SJR : **NIL**

❖ Impact factor –Average : **2.0**
❖ H-index – **04**

15. Details of patents and income generated: NIL

16. Areas of consultancy and income generated:

S.No.	Academic Year	Total amount generated Rs.
1.	2013-14	52,000.00
2.	2014-15	42,000.00
3.	2015-16	39,000.00
4.	2016-17	22,000.00

17. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

Academic Year	Total Number UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs
2013-14	02
2014-15	01
2015-16	07
2016-17	04

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	11	22	21	26

Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	70	70	70	70

 Percentage of students doing projects in collaboration with other universities
  / Industry / institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	30	30	30	30

19. Awards / recognition received at the national and international level by

Faculty   : One faculty had received Two (2) Awards
Doctoral / post doctoral fellows : NA
Students   : 27 Nos.

20. Seminars / Conferences / workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S. No	Title	Name of the Coordinator	Year	Name of funding agency
1.	I Technofest – 2013, Sponsored by College Management.	Prof.M. Mohan Babu	2013	Sri Venkateswara College of Engineering & Technology, Chittoor
2.	New and Emerging Technologies for Retrofitting and Repair of RCC Structures, Sponsored by	Dr.B.Damodhara Reddy & U.Vamsi Mohan	2013	College Management.
3.	Advance Technologies in Civil Engineering	Dr.B.Damodhara Reddy	2014	College Management.
4.	Srasta 2K15, One Day National Level Symposium	Prof.M.Mohan Babu	2015	College Management
5.	Srasta 2K16, One Day National Level Symposium	Dr.B.Damodhara Reddy	2016	College Management
6.	Pre Employment Training	Dr.B.Damodhara Reddy	2017	Ultra Tech. Cements, Pvt.Ltd.

21. Student profile programme – wise:

Name of the Programme (refer to question no. 4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech. (2013-2017)	126	72	05	88	92
B.Tech. (2012-2016)	134	117	10	76	82
B.Tech. (2011-2015)	64	42	17	78	66
B.Tech. (2010-2014)	58	41	15	72	62
M.Tech. (2015-2017)	14	06	08	--	--
M.Tech. (2014-2016)	20	13	02	59	64
M.Tech. (2013-2015)	22	08	07	100	82
M.Tech. (2012-2014)	18	12	02	90	100

22. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the state	% of students from other universities outside the state	% of students from other countries
Bachelor of Technology in Civil Engineering	10	60	10	20
Master of Technology in Civil Engineering	30	50	10	10

23. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category – wise.

Academic Year	Competitive Exams	Cleared
2013-14	GATE	04
2014-15	GATE	05
2015-16	GATE	04
2016-17	GATE	03

24. Student Progression

Student progression	Percentage against enrolled			
	2013-14	2014-15	2015-16	2016-17
UG to PG	60	65	72	74
PG to M.Phil.	Not Applicable			
PG to Ph.D.	03	01	--	--
Ph.D. to Post-Doctoral	-	-	-	-
Employed On Campus selection and off campus selection	20		26	--
Entrepreneurs	-	-	-	-

25. Diversity of staff:

Percentage of faculty who are graduates	
Of the same university	20%
From other universities within the state	60%
From universities from other states	20%
From universities outside the country	---

26. Number of faculty who were awarded M.Phil., Ph.D., D.Sc., and D.Litt., during the assessment period.

S.No.	Name of the Faculty	Year of Awarded
1.	Dr.B.Damodhara Reddy	2014
2.	Dr.M.Mohan Babu	2016

27. Present details of departmental infrastructural facilities
   a) Library: Departmental library possess : 820 books,
      Central library Possess **:** 40842 books
   b) Internet facilities for staff and students : WI-FI, 70MBPS
   c) Total number of class rooms : 12rooms for Civil Department
   d) Class rooms with ICT facility : 12 rooms
   e) Students' Laboratories : 08 Nos.
   f) Research Laboratories : 02 Nos**.**

28. Number of post graduate students getting financial assistance from college
   NIL

29. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
   Yes

The Departmental Staff committee periodically monitors the curriculum and actively takes part in curriculum development. The following observations are made

- Collecting feedback from the students, staff, alumni, employees & employers from the industry and software professionals.
- Discussion in Board of Studies meeting which includes the members from the other Universities, Industry and Alumni for updating the curriculum based on the needs of the industry.
- Planning to procure new equipment/software packages and tools for establishing new laboratories and conduct additional experiments beyond the syllabus

30. Does the department obtain feedback from stake holders ?

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- **Yes:** The department obtains feedback from the faculty periodically on curriculum, teaching, learning and evaluation to upgrade the curriculum. The HOD advises the faculty to improve the teaching –learning process.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- **Yes:** The Head of department collects the feedback on faculty members from the students on curriculum, teaching - learning and evaluates and advices the faculty members to improve their performance.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Yes: The alumni meet is organized every year to collect the feedback from the alumni and stake holders; accordingly the quality of education is improved in the department. The audit courses on quantitative aptitude and reasoning and professional ethics are included in curriculum to improve communication skills and develop professionalism.

31. List the distinguished alumni of the Department :

S. No.	Roll No. of the Student	Name of the Student	Present Status
1.	08781A0158	V.Anil Kumar Reddy	JMC Projects Pvt. Ltd., Bangalore
2.	08781A0140	P.Mysura Reddy	Mega Construction Pvt. Ltd., Hyderabad
3.	08781A0105	B.Venkateswarlu	GVK Construction Pvt. Ltd., Chennai.
4.	08781A0108	Challa Dinesh	Assistant Engineer, RWS&S Department, Government of A.P.
5.	09781A0109	B.Mahoto tharu	Junior Engineer, Government of Nepal, Telecom Department
6.	09781A0116	D.Govindaraju Naik	Working as Site Engineering in TNU Engineering Pvt. Limited, Hyderabad
7.	10785A0106	P.Manohar	Working as a Junior Engineering in KMV Projects limited, Bangalore
8.	08781A0123	K.Lokesh	Working as Project Engineer in Rohini Project Management Consultant & Pvt.Ltd., Bangalore.
9.	09781A0114	C.Sreelatha	Working as Assistant Town Planning Engineer, in Andhra Pradesh Government.

| 10. | 09781A0149 | U.Delli Babu | Working as Civil Engineer in Food Corporation India, Nellore Branch, A.P. |

32. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S. No	Academic Year	Name of the Professor / Research Scholar	Topic
1.	2013-2014	Dr.K.Nagendra Prasad, Professor, Department of Civil Engineering, S.V.University college of Engineering, Tirupati	Geo Polymers applications
2.	2014-2015	Dr.I.V.Ramana Reddy, Professor, Department of Civil Engineering, S.V.University college of Engineering, Tirupati	Rehabilitation of RCC Structures
3.	2014-2015	Dr.M.C.Nataraja, Professor, Department of Civil Engineering, Jaya Chamaraja College of Engineering, Mysore	Durability concepts and quality measures in Reinforced Cement Concretes
4.	2014-2015	Prof.G.Mohan Ganesh Ph.D (IITR) Divisional Leader,Structural and Geotechnical Engineering Division School of Mechanical and Building Sciences,VIT University ,VELLORE	Reasons that may need retrofitting and its Applications
5.	2014-2015	Dr. P. Rama Mohan, Assistant Professor Centre for Disaster Mitigation & Management VIT, Vellore	Introduction to Fibre Reinforced Composites
6.	2015-2016	Dr .A. Rama Chandra Murthy SERC, (CSIR) Chennai	Ultra High Strength Concrete and Its applications
7.	2015-2016	Dr.V. Srinivas, SERC (CSIR) Chennai	Advance construction Techniques in Concrete Bridges and Testing Procedures
8.	2014-2015	Dr. Chandrasekhar Putcha California State University, FULLERTON, college of Engineering and Computer Science, Civil and Environmental Engineering.	Advances in Environmental Engineering.
9.	2015-2016	Er.T.Srinivas, Technical Head, Ultra-Tech Cement Ltd, Chittoor Division, AP.	Pre-Employment Training Programme for Final Year Students.
10.	2014-2015	Dr.P.V.Siva Pullaiah Professor, Department of Civil Engineering, Indian Institute of Science, Bangalore-560 012	Stabilization of Clay soils
11.	2015-2016	Dr.G.N.Pradeep Kumar ,Professor, Department of Civil Engineering,	Ground Water Hydrology

		S.V.University college of Engineering, Tirupati	

12.	2015-2016	K.Tulaseeram**IRSE** Divisional Engineer DPO office Guntakal Division	Finite Element Techniques
13.	2015-2016	**Amarendra Kumar Sandra** GMR Infra Structures Limited GMR AirPort, Hyderabad	Advances in Urban Transportation System
14.	2015-2016	Dr.Ramachandra Ultra Tech Cement Ltd., No.45. Industry House, 6th Floor, Fair Field Layout, Race Course Road, Bangalore-560001	Low Cost Housing Techniques
15.	2016-2017	Dr.C.Sasidhar Professor in Civil Engineering J.N.T.University College of Engineering, J.N.T.University, Anantapuramu, A.P.	Modern Techniques in Construction Fields
16.	2016-2017	Dr.S.Prasad Rao Professor in Civil Engineering S.V.University College of Engineering S.V.University, Tirupati, A.P.	Earth quake Resistance Techniques in Structural Elements.

33. List the teaching methods adopted by the faculty for different \ programmes.

1) LCD projector (deputing the diagrams and formulas to save the time of expressions)
2) Prototype models (To understand the basic concepts of components of a structure)
3) Field Visits (i.e. Construction Projects, Dams, Cement Industry etc.).
4) Conducting seminars and arranging guest lecturers from eminent professors
5) Videos related to Civil Engineering Marvels.

34. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The department ensures the program objectives through various analytical and design courses and encouraging them to take up innovative projects. Encouraging them to go for higher education.

Ability to apply the knowledge of mathematics, science and engineering and ability to analyze and interpretation of data etc., are monitored in the laboratories, while conducting experiments. The respective lab in-charges will guide the students and counsel them.

PROGRAM OBJECTIVES:
1. Develop/demonstrate strong problem-solving and communication skills.
2. Achieve leadership position in technical or managerial area.
3. Demonstrate initiative and innovative thinking in project work.
4. Maintain a keen awareness of ethical, social, environmental, and global concerns.
5. Remain engaged in continuing learning.
6. Prepare for a Professional Engineering License.

LEARNING OUTCOMES:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multi-disciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility as well as the importance of professional licensure
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global and societal context
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skill, and modern engineering tools necessary for engineering practice
12. An ability to explain basic concepts in management, business, public policy, and leadership
13. An ability to evaluate concepts and ideas from alternative perspectives.

35. Highlight the participation of students and faculty in extension activities.

- College always conducts different programs to inculcate social responsibility in the faculty and students.
- As part of institutional Social responsibility, the NSS unit of the college is organizing blood donation camps and also conducting health check up programmes for village people.
- Organize Family Health Awareness Program to create awareness on Sexually Transmitted Diseases(STD)
- Tree plantation on every environmental day.
- Our Students are running a Helping hand activity to help poor students, promoting scientific temper / awareness in community, providing academic support to remote schools, providing volunteer support to charity organizations.

36. Give details of "beyond syllabus scholarly activities" of the department.

For 3rd and 4th B.Tech. students a special training programs (i.e, software courses like ETABS, STAAD.PRO, TECLA, PRIMAVERA) will be conducted for campus placements and GATE/PGCET training classes are also being conducted every year in department level for beneficiary of students.

37. State whether the programme / department is accredited / graded by other agencies? If yes, give details.

Accredited by NBA (First Time Accredited) in 2015 for Two Years

38. Detail five major Strengths, Weakness, Opportunities and Challenges (SWOC) of the department.

Strengths

- Highly qualified, committed and dedicated faculty
- Committed and dedicated non-teaching staff
- Well equipped laboratories and library
- Well established interaction with academia of premier institutes
- Publications by the staff in national and International journals
- Invitation to guest lectures
- Interaction with organizations like, ISTE
- Research expertise in all specializations
- Well established Industry- Institute Interaction
- Rural-youth oriented extension activities- employment generation
- Well organized student association activities
- Arranging field trips to students
- Strong alumni

Weaknesses
- Lack of trained technical staff to maintain sophisticated equipment.
- Inadequate contingency amount.

Opportunities
- Department is sponsoring faculty members for training programs in IITs and IISC.
- Department faculty members are training the students for achievement of Gold medal in academics.
- All the faculty members of the department are trying to establish a good research centre in our college.

Challenges
- To provide the students with state of the art facilities.
- To prepare the students globally competent.

39. Future plans of the Department.
- Up gradation of Computer Aided Design Lab with latest software.
- To establish departmental digital library to includes civil engineering latest journals which will be helpful for students and research scholars.
- Conduct an International Conference on "Latest Advancement in Civil Engineering".
- To tie up with foreign universities for up gradation of knowledge and to share latest technologies which will be beneficial to students.
- To establish advance techniques research laboratory for research purpose which will be helpful for research scholars.

NAAC SSR Report 2013-17
Department of Electrical and Electronics Engineering

1	Name of the department	Electrical and Electronics Engineering		
2	Year of establishment	1998		
3	Courses/ Programmes and subject combinations offered	PhD	EEE		
		M.Tech	1.Power Electronics & Industrial Drives 2. Electrical Power Systems		
		B.Tech	EEE		
	Number of teaching posts sanctioned and filled	31		31	
5	Number of administrative / Technical staff	04			
6	Number of students. Give details course –wise (2016-17)	M	F	Total
	B.Tech	21	06	27
	M.Tech	06	03	09
	Ph.D.	02	--	02
7	Ratio of teacher to students	M.Tech : 6:1 B.Tech : 15:1			
8	No. teachers in academic bodies of other autonomous colleges and Universities	02			
9	Latest revision of the curriculum (year)	2017			
10	Number of students passed in NET/SLET etc.(last 4 years)	27			
11	Success rate of students	17.44			
12	Awards and recognition received by faculty (last 4 years)	01			
13	Faculty who attended Natl./Intl. seminars (last 4 years)	130			
	No. of seminars attended by the faculty National + Intl.				
14	Number of seminars organized (last 4 years) National + Intl.	5			
15	No. teachers engaged in consultancy and revenue generated	16			
16	Number of Ongoing projects and their total outlay	02, Rs.26.77 Lakh			
17	Research projects completed during last 4 years & the outlay	---			
18	Number of Inventions / Patents	NIL			
19	Number of Ph.D. theses guided during the last four years	06			
20	Publications by faculty (last 4 years)	115			
21	Average citation index and impact factor of publications	5 & 2			
22	Number of books in the departmental library, if any	190			
23	Number of computers	72			
24	Annual budget (excluding salary)	Rs. 20 Lakhs			

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

1. **Name of the Department & Year of establishment :**
   Department of Electrical & Electronics Engineering
   Year of establishment: 1998

2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Ph.D-	**:**	Electrical & Electronics Engineering
PG - M. Tech	**:**	1) Power Electronics & Electrical Drives
		2) Electrical Power Systems
UG - B. Tech	**:**	Electrical & Electronics Engineering

3. **Interdisciplinary courses and departments involved:**

Subject Code	Interdisciplinary courses	Department Involved
B.Tech		
14AHS02	Engineering Mathematics-I	HAS
14AHS04	Engineering Physics	HAS
14AHS05	Environmental Science	HAS
14ACS02	Programming in C & Data Structures	CSE
14AHS01	Technical English –I	HAS
14AHS06	Engineering Mathematics –II	HAS
14AHS03	Engineering Chemistry	HAS
14AME01	Engineering Drawing	ME
14AEC01	Electronic Devices & Circuits	ECE
14AHS11	Engineering Mathematics –III	HAS
14AHS12	Managerial Economics and Financial Analysis	HAS
14ACE11	Fluid Mechanics and Hydraulic Machinery	CE
14AEC05	Switching Theory And Logic Design	ECE
14AEC15	Analog and Digital Electronic Circuits	ECE
14AEC06	Signals & Systems	ECE
14AEC28	Digital Signal Processing	ECE
14ACS15	Data Base Management Systems	CSE

4. **Examination System: Annual/Semester/Trimester/Choice Based Credit   System:**
   - Semester System - Choice Based Credit System

5. **Participation of the department in the courses offered by other departments:**
   - Civil Engineering
   - Computer Science and Engineering
   - Electronics and Communication Engineering
   - Information Technology
   - Mechanical Engineering

S. No	Subject Code	Name of Subject	Sharing Department
1	14AEE02	Network Theory	ECE
2	14AEE03	Basic Electrical & Electronics Engineering	CSE & IT
3	14AEE06	Electrical Engineering &Electronics Engineering	ME
4	14AEE14	Electrical Engineering & Mechanical Engineering	CIVIL
5	14AEE15	Electrical Technology	ECE
6	14AEE20	Control Systems	ECE

6. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Name of teaching post	Sanctioned	Filled
Professors	04	04
Associate professors	07	07
Assistant professors	20	20

7. Faculty profile with name, qualification, designation, area of specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.) Experience and research under guidance (2016-17)

S. No.	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Awarded
1.	Dr.T.Devaraju	Ph.D	Professor & Head	Power System Stability	19	5 pursuing
2.	Dr.M Muralidhar	Ph.D	Professor	High Voltage Engineering	38	6
3.	P.R Muralimohan	M.Tech	Associate Professor	Energy Management	19	-
4.	D.Hima Bindu	M.Tech	Associate Professor	Power Electronics	12	-
5.	H Balamurgan	M.Tech	Associate Professor	Applied Electronics	12	-
6.	K Lokanadham	M.Tech	Associate Professor	Computer Aided Power Systems	13	-
7.	J Gowri Shankar	M.Tech	Assistant Professor	Power Electronics & Drives	8	-
8.	K Janardhan	M.Tech	Assistant Professor	Electrical Power Engineering	5	-
9.	G Venkat Pradeep	M.Tech	Assistant Professor	High Voltage Engineering	5	-
10.	K Dharanisree	M.Tech	Assistant Professor	Power Systems	4	-
11.	C L Sravanthi	M.Tech	Assistant Professor	Electrical Power Engineering	5	-

12.	B Madhusudana Reddy	M.Tech	Assistant Professor	Power Electronics & Industrial Drives	8	-
13.	K Bhavani	M.Tech	Assistant Professor	Power Electronics & Electrical Drives	3	-
14.	K Ramaraju	M.Tech	Assistant Professor	Power Electronics	4	-
15.	Showkath Ali Sayyed	M.Tech	Assistant Professor	Power Electronics & Electrical Drives	5	-
16.	C Sreehari Babu	M.Tech	Assistant Professor	Power Systems	5	-
17.	K Divakar	M.Tech	Assistant Professor	Power Electronics	3	-
18.	G Rajesh	M.Tech	Assistant Professor	Power & Industrial Drives	2	-
19.	E Neeraja	M.Tech	Assistant Professor	Power Electronics	2	-
20.	Dr. Y N Vijayakumar	Ph.D	Associate Professor	Power Systems	16	-
21.	K Eswaramma	M.Tech	Professor	Power Electronics	38	-
22.	S Senthil	M.Tech	Associate Professor	Power Electronics	13	-
23.	Dr.M Vishnuvardhan	Ph.D	Associate Professor	Power System Operation & Control	13	-
24.	G BalaSundaram	M.E.	Associate Professor	Power Systems	12	-
25.	S Ravi Chandran	M.Tech	Assistant Professor	Power Systems	16	-
26.	V.Bhanu	M.Tech	Assistant Professor	Electrical Power Engineering	2	-

8. Percentage of classes taken by temporary faculty – programme-wise information:
NIL

9. Programme-wise Student Teacher Ratio
B. Tech   : 15:1
M. Tech : 06:1

10. Number of academic support staff (technical) and administrative staff

Academic/Administrative Staff	Sanctioned	Filled
Technical staff	05	05
Administrative staff	02	02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

(a) National:

S.No.	Name & Department	Title of the project	Amount (Rs in Lakhs)	Funding agency
1	K.Dharani Sree (Principal Investigator), Department of EEE	Enhancement of Real – Time Power Analysis and Control for Distributed Generation Interface using	22,82,000/-	DST – New Delhi, Women Scientist – A
2	Dr.M.Vishnuvardhan (Principal Investigator), Department of EEE	Voltage Sag Mitigation by Enhanced Neuro Fuzzy Controller Based UPQC	3,95,000/-	UGC – Minor Project

12. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

S. No	Name	Funded Organization	Title	Amount Sanction (in Rs.)	Work Status
1	K.Dharani Sree (Principal Investigator)	DST – New Delhi, Women Scientist – A	Enhancement of Real – Time Power Analysis and Control for Distributed Generation Interface using FPGA	22,82,000/-	Ongoing
2	Dr.M.Vishnuvardhan (Principal Investigator), Department of EEE	UGC -Minor	Voltage Sag Mitigation by Enhanced Neuro Fuzzy Controller Based UPQC	3,95,000/--	Ongoing

13. Research facility / centre with

- Recognized Research Centre by JNT University Anantapuramu

14. Publications:

Number of papers published in peer reviewed journals (national / international): **115**
∗Citation Index – range / average: **8 (Minimum) – 94 (Maximum)**
∗SNIP: **--**
∗SJR: **0.248**
∗Impact Factor – range / average: **1 to 3**

15. Details of patents and income generated: NIL
16. Areas of consultancy and income generated:

CONSULTANCY WORKS:

S. No	Project Title	Organization	Period	Amount Rs.
1	Design of plumbing and Electrical work for New Building	Ramesh, Architech, Bangalore	2014-2015	75,000
2	Installation of 40KVA UPS with 62No's 26AH batteries	SVCET	2014-2015	36,000
3	Energy auditing and Billing	Srinivasa Educational Academy	2014-2015	36,000
4	PWM Controller for IGBT & MOSFET	Eutech, Bangalore	2014-2015	50,000
5	Modern techniques for power factor improvements in the industry	Scientech, Bangalore	2013-2014	45,000
6	Energy auditing and Billing	Srinivasa Educational Academy	2013-2014	36,000
7	Agriculture pump set Installation and Maintenance	Village Revenue Officer (VRO)	2013-2014	37,000
8	Power Electronic control of DC and AC machines	KMM Institute of Science & Technology, Chandragiri	2013-2014	50,000
9	Design of Wiring layout for Domestic and Industry using ECAD	Government ITI, Chittoor	2012-2013	50,000
10	Panel Board Installation and Erection with 4 bus channel	220KV SS, Greamspet, Chittoor	2012-2013	30,000
11	AC & DC Motor rewinding and Installation for Domestic and Agriculture	Kumar Hardware	2012-2013	25,000
Total:				**4,70,000**

17. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Academic year	2013-14	2014 -15	2015-16	2016-17
National workshops/short term courses attended by the faculty	31	40	46	44

18. Student Projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	24	24	24	23

Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	20%	20%	23%	25%

Percentage of students doing projects in collaboration with other universities /Industry/ institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	8%	10%	10%	10%

19. Awards / recognitions received at the national and international level by

Students Awards: Prathibha Award

S.No	Roll Number	Name of the Student	percentage
1	12781A0260	Mude Sivaji Naik	79.42%

20. Seminars/ Conferences/Workshops organized and the source of funding (national/ International) with details of outstanding participants, if any.

S.No	Title	Name of the Coordinator	Year	Name of funding agency
1	Advance MATLAB Programming in Electrical and Electronics Engineering (AMEE-2014)	Prof.K.Eswaramma	21st August 2014	College Management
2	National Seminar on Advances in Power and Energy Systems (NSAPES-2015)	C.B.Saravanan	27th -28th April, 2015	DST-SERB
3	A Two Day International workshop on MATLAB (ELECTRA-2K15)	Prof.K.Eswaramma	4th – 5th September 2015	College Management
4	A two day national seminar on "Overview of Electric Power Sector- Generation, Transmission & Distribution"	K.R.Vadivelu	21st – 22nd January - 2016	DST-SERB
5	A two day national workshop on "Energy Conservation and Auditing".	P.R.Murali Mohan	9th -10th sep,2016	DST-SERB

21. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech(2013-14)	96	55	41	69.09	65.85
B.Tech(2014-15)	80	66	14	60.60	78.57
B.Tech(2015-16)	85	67	18	62.86	66.66
B.Tech(2016-17)	27	21	6	-	-
M.Tech (PE&ED)					
2013-14	10	7	3	71.40	100.00
2014-15	7	5	2	100.00	100.00
2015-16	6	4	2	100.00	100.00
2016-17	3	2	1	-	-

M.Tech (EPS)					
2014-15	12	5	7	100.00	100.00
2015-16	11	5	6	100.00	83.33
2016-17	6	4	2	-	-

22. Diversity of students:

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Tech				
2013-14	89.79	-	8.16	2.04
2014-15	67.27	-	-	32.72
2015-16	90.10	-	-	9.89
2016-17	96.29	-	-	3.70
M.Tech (PE&ED)				
2013-14	10	90	-	-
2014-15	66.66	-	-	33.33
2015-16	100.00	-	-	-
2016-17	100.00	-	-	-
M.Tech (EPS)				
2013-14	-	-	-	-
2014-15	100.00	-	-	-
2015-16	71.42	14.28	-	14.28
2016-17	83.33	16.66	-	-

23. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Academic Year	Competitive Exams	Cleared
2013-14	GATE/PGECET	45
2014-15	GATE/PGECET	30
2015-16	GATE/PGECET	35

24. Student progression

Student progression	Percentage against enrolled			
	2013-14	**2014-15**	**2015-16**	**2016-17**
UG to PG	25.45 %	30.00%	34.33%	-
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL
Employed • On Campus selection and • off campus selection	16 30	06 25	13 20	45 05
Entrepreneurs	04	01	01	01

25. Diversity of staff (2016-17)

Percentage of faculty who are graduates	
of the same university	46.66%
from other universities within the State	36.66 %
from universities from other States	16.66 %
from universities outside the country	0.00%

26. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

        NIL

27. Present details of departmental infrastructural facilities with regard to

Library:

    No. of Titles: **163**

    No. of volumes: **190**

b) Internet facilities for staff and students: **WI-FI, 70MBPS**

c) Total number of class rooms   **:** 10

d) Class rooms with ICT facility **:** 10

e) Students' laboratories   **:**

Department of EEE has 15 exclusive Laboratories to meet Academic & Research Work

S. No	Name of The Lab
1	Electrical Circuits and Simulation
2	Electrical Machines
3	Control systems & Simulation
4	Electrical Measurement and Instrumentation
5	Power Electronics & Simulation
6	Power Systems and Simulation
7	Control Systems Lab
8	DC Drives Lab
9	Simulation of Power Electronic Systems lab
10	AC Drives Lab
11	Embedded Systems Lab
12	Advanced Electrical Machines Lab
13	Power System Simulation Lab – I
14	Power System Protection Lab
15	Power System Simulation Lab – II

f) Research laboratories   **: NIL**

28. Number of post graduate students getting financial assistance from the Institution: 03

29. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.

Yes:

The Departmental Staff committee periodically monitors the curriculum and actively takes part in curriculum development. The following observations are made

- Collecting feedback from the students, staff, alumni, employees & employers from the industry and software professionals.
- Discussion in Board of Studies meeting which includes the members from the other Universities, Industry and Alumni for updating the curriculum based on the needs of the industry.
- Planning to procure new equipment/software packages and tools for establishing new laboratories and conduct additional experiments beyond the syllabus

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes: The department obtains feedback from the faculty periodically on curriculum, teaching, learning and evaluation to upgrade the curriculum. The HOD advises the faculty to improve the teaching –learning process.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes: The Head of department collects the feedback on faculty members from the students on curriculum, teaching - learning and evaluates and advices the faculty members to improve their performance.

c. Alumni and employers on the programmes and what is the response of the Department to the same?

Yes: The alumni meet is organized every year to collect the feedback from the alumni and stake holders; accordingly the quality of education is improved in the department. The audit courses on quantitative aptitude and reasoning and professional ethics are included in curriculum to improve communication skills and develop professionalism.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the faculty	Organization
1	M.Ramya	Govt. Polytechnic, Kalikri
2	Y.Chaitanya	Amararaja Industries
3	Lakshmi varaprasad	Software Engineer, Banglore
4	Ramprasad	AE, AP Transco, Tirupathi
5	C.V.Jitendra kumar	INFOSYS, Banglore
6	G.Sanjevakumar	JTO, Westbengal

7	M.Asharani	Yokogawa India Ltd, Banglore
8	K.Ravi Chandra	NPDCL, Warangal
9	Nagaprathap	Software Engineer, U.S
10	M.Naresh	TCS, Mumbai
11	Y.Redappa	AE, APTRANSCO

32. Give details of student enrichment programmes (special lectures/ workshops/ seminar) involving external experts.

Special lectures/Workshops /seminar	2013-14	2014-15	2015-16	2016-17
	05	05	05	07

33. List the teaching methods adopted by the faculty for different programmes:

- Glass Board Teaching
- Regular discussions in the class to make the lecture more impressive
- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in different areas such as PE, PS, Drives etc.
- Conducting seminars on advanced topics by expert members
- Invited guest lecturers from industries/software professionals
- Conducting Remedial classes for slow learners
- Microsoft Innovation Center programme for advanced learners
- Conducting Industrial visits for getting practical exposure
- Current topics beyond the syllabus through web seminars and IUCEE Workshops.

34. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

YES, The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes (POs)/ Learning outcomes are defined by the department development committee and are in tune with the mission of the Electrical & Electronics Engineering Department. The PEOs & POs are modified after taking the opinion from stakeholders if required.

- The department has established a comprehensive assessment process to meet its Program Objectives constantly and monitor the learning Outcomes.
- Program Educational Objectives (PEOs) of the UG in EEE are established in the year 1998 and these address the following broad aspects.
  " What our graduates could do best "
  " How our graduates would approach problem solving, using what skills "
  " What values our graduates should have "
- Program Educational Objectives of the UG Electrical & Electronics Engineering are:
1. To Excel in professional career and/or higher education by acquiring knowledge in Mathematics and Basic Electrical Sciences, Power Systems, Power Electronics and Electrical Drives.
2. To indentify the problems in society and design of Electrical systems appropriate to its solutions using soft controllers which are technically sound, economically feasible and socially acceptable.
3. To exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends in technology by engaging in continuous professional development.

Program Outcomes:

The Programme outcomes are established as per the process described. The program Outcomes of Electrical & Electronics Engineering Department EEE are:

1. An ability to apply the knowledge of Mathematics, Science and Engineering, fundamentals to solution of complex Engineering problems in Electrical Engineering.
2. An ability to identify and analyze a problem, and formulate complex engineering problems using principles of Mathematics, Basic and Engineering sciences.
3. An ability to design, implement, and evaluate a computer based system, process, component, or program to meet the desired needs for the appropriate consideration for the public health and safety, cultural, societal and environmental issues.
4. An ability to conduct experiments, to analyze and interpret data and synthesis of the information to provide valid conclusions.
5. An ability to create, select and apply modern engineering tools and techniques, resources for modeling of complex Electrical Engineering problems.
6. An ability to analyze the local and global impact of computing on individuals, organization, and society.
7. An understanding of the impact of advancements in the field of Electrical Engineering on the environment and its sustainability.
8. An understanding of professional, ethical, legal, safety and security, social issues and norms of the Electrical Engineering practices.
9. An ability to function effectively as individual, as a member or leader in diversified teams and multidisciplinary areas.
10. An ability to communicate effectively complex engineering activities with the engineering community and society.
11. An understanding of Electrical Engineering and management principles and apply these to one's own work, as a member or leader in a team, to manage projects.
12. An ability to engage in continuous professional development through lifelong learning.

Monitoring Methods:

  a. Continuous assessment through assignments
  b. Mid/Internal Examinations
  c. External Examinations / Semester end examinations
  d. Student Counseling
  e. Result Analysis

35. Highlight the participation of students and faculty in extension activities.

1. Student Seminars, Technical Quiz, Group Discussion and Event Exhibition
2. Student awareness programmes
3. Expert lecturers from R&D organizations/power sectors/other institutions
4. Student technical symposium, Faculty development programs, national and international workshops/ conferences

Highlight the participation of students:

Year	Curricular activities		Extracurricular Activities Participation		Social Activities Participation
	No. of Students	Prizes	Cultural events No. of Students	Sports No. of Students	NSS
2016-17	40	10	20	8	20
2015-16	38	10	15	5	20
2014-15	35	5	23	5	25
2013-14	32	6	18	6	22

1. Participation of students and faculty in SELESTA cultural fest organized by the college in the year 2012, 2013,2014 & 2015
2. Participation of students in i- techno fest technical paper presentation 2012, 2013, 2014 & 2015 organized by the college
3. Industrial visits by 2nd & 3rd and 4th year students in every year
4. Industrial training of students details:

Industrial training of students in the Academic Year 2016-2017

S.No	Name of the student	Class	organization
1.	III Year B.Tech	A section	SDTPS, Nellore
2.	III Year B.Tech	B section	RTPP, Kadapa

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016-17	36	10	12
2015-16	86	33	13
2014-15	60	52	18
2013-14	41	42	3

36. Give details of "beyond syllabus scholarly activities" of the department.

1. Organizing students technical symposiums in every year
2. Organizing Students Seminar/Workshop/Conferences
3. Conducting Industrial Visits for Students to get practical knowledge
4. Participation of students in various intercollegiate/interuniversity/interstate/ Competitions
5. Research and consultancy work carried out by the faculty members
6. Conducting web seminars by expert members in different areas

37. State whether the programme / department is accredited/ graded by other agencies? If yes, give details

   Yes
   1. Accredited by NBA

      2.   Recognized as research centre by JNTUA, Ananthapuramu

38. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:
1. Qualified and experienced faculty with Ph.D and M.Tech qualification.
2. Good Infrastructural facilities and spacious laboratories.
3. All laboratories are fully equipped as per norms to conduct experiments.
4. Since the college is located near to the two metropolitan cities (Chennai and Bangalore) eminent professors are available from industry and academic institutions to deliver expert lectures on advanced topics and industry institute interaction is achieved.
5. LANCO Power Plant and Venkateswara Waste Heat Recovery Thermal Power Plant at Kalahasti; Windmill Energy Plant at Tirumala, Amaraja Power Batteries at Tirupati and Bharat Heavy Electrical limited at Ranipet, Shiridi Sai Electrical ltd, Kadapa, Sricity, Sathyavedu, RTPP, Muddanur, Kadapa (Dt) are located nearby to the institute which can facilitate the Institute Industry interaction for promoting the exchange of technical knowledge and research skills.

Weaknesses:
1. Lack of consultancy work and funding of minor & major projects.
2. Requirement of faculty with Ph. D qualification.
3. Establishment of research lab with high end equipment.

Opportunities:
1. Strengthening industry / institute interaction.
2. To setup facilities to make the department a development and economic research center.
3. To cater the need of the local small scale industries through consultancy.
4. The two capital cities (Chennai & Bangalore) which are closely located will provide opportunities for self employment.
5. 220KVA & 400KVA substations which are closely located to the institute provide practical knowledge for the students

Challenges:
1. To take necessary steps to improve the quality of intake in admissions by providing outcome based education and upgrading the curriculum based on the need of industry/software organizations.
2. To develop consultancy services by motivating faculty members.
3. To encourage the faculty and students to develop research activities by attending workshop / conferences in the area of their interest.

39. Future plans of the department.

a. To develop department as a centre of excellence in the areas of Power System and Power Electronics & Drives.

b. To develop Research & Development Cell and Consultancy Services in the department.

c. To start staff and student chapters of IEEE, IEE, IETE and to organize refresher courses for the faculty members and students.

d. To submit project proposals to various funding agencies DST, UGC, AICTE,MHRD etc.

e. To enter into MOU's with foreign universities, industries and R&D organizations

f. To organize National and International Seminars / Workshops / Conferences on the advanced topics.

g. To improve the pass percentage to above 85%.

h. To improve the placement of the students.

i. To setup alumni of the dept. and conduct alumni meet in every year to get their views in the development of department.

j. Upgrading the curriculum as per requirement of industry and needs of the society.

k. To conduct GATE coaching classes from II year onwards, as GATE qualification is the prime requirement to apply for any Govt. sectors and also motivate students to prepare GRE&TOFEL exams to join master degree course in abroad.

Department of Mechanical Engineering

1	Name of the department	Mechanical Engineering		
2	Year of establishment	1998		
3	Courses/ Programmes and subject combinations offered	PhD : ME M.Tech : CAD/CAM & Machine Design B.Tech : Mechanical Engineering		
4	Number of teaching posts sanctioned and filled	55		55
5	Number of administrative / Technical staff	02 / 07		
6	Number of students. Give details course wise (2015-16) B.Tech M.Tech Ph.D	M 231 01 06	F 12 - -	Total 243 01 06
7	Ratio of teacher to students	B.Tech : 1:15		M.Tech : 1:12
8	No. teachers in academic bodies of other autonomous colleges and Universities	01		
9	Latest revision of the curriculum (year)	B.Tech : R17		M.Tech : R15
10	Number of students passed in NET/SLET etc.(last 4 years)	11		
11	Success rate of students (2016-17)	B.Tech 89.71	M.Tech, CAD/CAM 00	M.Tech,MD 100
12	Awards and recognition received by faculty (last 4 years)	03		
13	Faculty who attended Natl./Intl. seminars (last 4 years)	30		
	No. of seminars attended by the faculty National + Intl.	04		
14	Number of seminars organized (last 4 years) National + Intl.	10		
15	No. teachers engaged in consultancy and revenue generated	--		
16	Number of Ongoing projects and their total outlay	05 Rs 40 Lakh		
17	Research projects completed during last 4 years & the outlay	01 Rs 20 Lakh		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	200		
21	Average citation index and impact factor of publications	20 and 1.5		
22	Number of books in the departmental library, if any	Books: 600, Titles :200		
23	Number of computers	80		
24	Annual budget (excluding salary)	40 Lakhs		

DEPARTMENT OF MECHANICAL ENGINEERING

1. **Name of the Department & year of Establishment:**

   Name of the Department   :   Mechanical Engineering

   Year of Establishment   :   1998

2. **Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

   Ph.D   :   Mechanical Engineering

   PG - M. Tech :   CAD/CAM & Machine Design

   UG - B. Tech :   Mechanical Engineering

3. **Interdisciplinary courses and departments involved:**

Subject Code	Interdisciplinary courses	Departments involved
14ACS31	Basic Computer Graphics	Computer Science
14AEE41	Sensors And Actuators	Electrical and Electronics
14AEC31	MEMS And Micro Systems	Electronics and Communications

4. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

   - Semester System ---- Choice based credit system

5. **Participation of the department in the courses offered by other departments**

S.No.	Subject Code	Name of Subject	Sharing Department
1	14AME27	Renewable Energy Sources	CE
2	14AME58	Total Quality Management	ECE
3	15CMB14	Operations Research	MBA
4	15DME14	Operations Research	MCA
5	15MMB29	Operations Research	BM
6	15NME24	Operations Research	BCA
7	14AME57	Robotics	CSE

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Professor	05	07
Associate Professors	10	03
Asst. Professors	33	38

7. Faculty profile with name, qualification, designation, specialization (D.Sc. /D.Litt. / Ph.D. / M.Phil., etc.)

S.No.	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Awarded
1.	Dr.P.Bhaskar	Ph.D	Principal	Industrial Engineering	28	-
2.	Dr. K.L. Narayana	Ph.D	Professor	Production & Foundry Technology	49	-
3.	Dr. O. Venkata Krishnaiah Chetty,	Ph.D	Professor	Production Science Technology	47	1
4.	Dr. K. Ravindranath	Ph.D	Professor	Industrial Engineering	38	6
5.	Dr.C. Vijaya Baskar Reddy	Ph.D	Professor & HOD	Energy Systems	21	
6.	Dr.A.Mahamani	Ph.D	Professor	Production Technology	13	
7.	Dr. T.V.S. Raghavendra	Ph.D	Professor	Industrial Engineering	22	
8.	Dr. A.R. Babu	Ph.D.	Associate Professor	Thermal Engineering	13	
9.	Mr.G. Sudarsana Reddy	M.Tech	Associate Professor	R&AC	21	
10.	Mr.R. Somraj	M.Tech	Associate Professor	CAD/CAM	10	
11.	Smt. C.UmaMaheswari	M.Tech	Assistant Professor	CAD/CAM	6	
12.	Mr. K. Mahesh Naidu	M.Tech	Assistant Professor	CAD/CAM	5	
13.	Ms.A.Jayasree	M.Tech	Assistant Professor	CAD/CAM	3	
14.	Mr.R.Rajesh	M.Tech.,	Assistant Professor	Machine Design	3	
15.	Mr.K. Reddi Prasad	M.E. (Ph.D.)	Assistant Professor	Engineering Design	3	
16.	Mr.N.Sakthivelan	M.Tech	Assistant Professor	Manufacturing	3	
17.	Mr. C.S. Bala Subramanyam	M.Tech	Assistant Professor	Design & Production of IC Engines & Gas turbines	14	
18.	Mr.P.Sreenivasulu	M.Tech	Assistant Professor	CAD/CAM	3	
19.	Ms.K.Monika	M.Tech	Assistant Professor	CAD/CAM	3	

20.	Mr.M.A. Chakravarthy	M.Tech	Assistant Professor	Advanced IC Engines	3	
21.	Mr.Mallikarjuna Rao Dandu	M.Tech	Assistant Professor	R&AC	2	
22.	Mr.S.Md. Khadeer Ahamed	M.Tech	Assistant Professor	IE	4	
23.	Mr.N. Haranadh	M.Tech	Assistant Professor	IC Engines	2	
24.	Mr.A. Rukesh Reddy	M.Tech	Assistant Professor	CAD/CAM	3	
25.	Mr.M.Sivaramakri shnaiah	M.Tech (Ph.D.)	Assistant Professor	Thermal Engineering	10	
26.	Mr.M. Bala krishna	M.Tech	Assistant Professor	R&AC	5	
27.	Mr.R. Syam Sudhakar Rao	M.Tech	Assistant Professor	Machine Design	10	
28.	Mr.S. Bheemanjaneyulu	M.Tech	Assistant Professor	Machine Design	3	
29.	Mr.P.Harish	M.Tech	Assistant Professor	CAD/CAM	1	
30.	Ms S.Preethi	M.Tech	Assistant Professor	Machine Design	1	
31.	Mr.P.M.Muneer	M.Tech	Assistant Professor	Thermal Engineering	23	
32.	Mr.R. Ramu gangireddy	M.Tech	Assistant Professor	CAD/CAM	3	
33.	Mr.S. Zaheer Basha	M.Tech	Assistant Professor	Advanced IC engine	4	
34.	Mr.R. Prasnna Srinivas	M.Tech	Assistant Professor	CAD/CAM	2	
35.	Mr.D. Venkata Krishna	M.Tech	Assistant Professor	CIM	2	
36.	Smit.P.Sneha	M.Tech.,	Assistant Professor	Production engineering and design	8	
37.	G.Reedy basha	M.Tech.,	Assistant Professor	Thermal Engineering	1	
38.	K. Yoganarashimhulu	M.Tech.,	Assistant Professor	Material Technology	5	
39.	Mr.A.Rajasekhar	B.Tech	Assistant Professor	Mechanical	1	
40.	Mr.T.Gnana Priya	M.Tech	Assistant Professor	Mechanical	1	
41.	Mr.R.Mariannan	M.Tech	Associate Professor	Thermal Engineering	25	
42.	Mr. Chaitanya kishore	M.Tech	Assistant Professor	Mechanical	0	

43.	Mr.R. Vidya Sagar Raju	M.Tech	Assistant Professor	Mechanical	0	
44.	Smt.Preemalatha	M. Tech	Assistant Professor	CAD/CAM	3	
45.	Mr.G.Mahesh	M.Tech.,	Assistant Professor	CAD/CAM	0	
46.	Mr.G.Kiran	M.Tech.,	Assistant Professor	CAD/CAM	1	
47.	Ms.R.Divya	B.Tech.,	Assistant Professor	CAD/CAM	1	
48.	Mr.S.K.Kareem	M.Tech	Assistant Professor	CAD/CAM	2	
49.	Mr.G.Kanakaraj	M.Tech	Assistant Professor	Mechanical	3	
50.	Mr.K.Bhargavi	M.Tech	Assistant Professor	Mechanical	1	
51.	Mr.P.Bharath	M.Tech	Assistant Professor	CAD/CAM	0	
52.	Mr.N.Rajesh	B.Tech	Assistant Professor	Mechanical		
53.	Ms.Divya madhavi	M.Tech	Assistant Professor	CAD/CAM		
54.	M.Vinod Kumar	B.Tech	Assistant Professor	Mechanical		
55.	Mr.K.Velappan	B.Tech	Assistant Professor	Mechanical		
56.	Mr.M. Jeevan Prasad	M.Tech	Assistant Professor	Mechanical	2	
57.	Mr.Y. Nagarjuna reddy	M.Tech	Assistant Professor	Mechanical		
58.	Mr.E. Venkata siva reddy	B.Tech	Assistant Professor	Mechanical	1	
59.	Mr.G. AShok kumar	M.Tech.,	Assistant Professor	CAD/CAM	8	

8. **Percentage of classes taken by temporary faculty – programme-wise information**
   NIL

9. **Programme-wise Student Teacher Ratio:**
   M. Tech   :   12:1
   B. Tech   :   15:1

10. **Number of academic support staff (technical) and administrative staff:**

Academic/Administrative Staff	Sanctioned	Filled
Technical staff	8	6
Administrative staff	2	2

11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

S.No.	Name & Department	Title of the project	Amount (Rs in Lakhs)	Funding agency
1	Mrs.C.Uma Maheswari, ME	Modeling and analysis of solar desalination unit (2012-2015)	2020000	DST-WOS-A
2	Dr. D. Krishna Mohan Raju, ME	Design and development of efficient cooking stove (2014-2016)	100000	UGC-Minor
3	Dr.A.Mahamani, ME	Gridability studies on AA6061-TiB2/ZrB2 in-situ composites (2015-2018)	3146000	DST-YS
4	Dr.A.Mahamani, ME	Influence of macro, micro and nano size reinforcement on machinability behavior of the AA6061-AlN composites (2016-2018)	2820000	UGC-Research award scheme
5	Dr.K.Ravindranath, ME	Experimental investigation on conventional and semi-adiabatic Diesel engine using bio diesel as fuel (2015-17)	844000	UGC-Emeritus Fellowship Scheme
6	S.Preethi,ME	Studies on drilling of AA6061-TiC in-situ composites (2016-17)	150000	UGC-Minor

12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** 90.8 Lakhs

13. **Research facility / centre with**
    - state recognition: - Nil –
    - national recognition: "Potential Excellency "
    - international recognition: -Nil

14. **Publications:**
    - Number of papers published in peer reviewed journals (national / international):

Name of the Staff	Publications	
	National	International
Dr. K.L. Narayana	25	40
Dr. O. VenkataKrishnaiah Chetty	24	41
Dr.U.Harinath	9	5
Dr.C.Vijaya Baskar Reddy	6	2
Dr. K. Ravindranath	62	8

Dr. G. Naga Malleswara Rao	8	15
Dr.A.Mahamani	15	20
Dr. D. Krishna Mohan Raju		4
Dr.T.V.S Raghavendrarao	-	12
Mr. Y.Santhosh kumar Reddy		3
Smt. C.UmaMaheswari		5
Mr.N. Haranadh		1
Mr.K.Reddi Prasad	1	
Mr.M.Sivaramakrishnaiah	3	3
Mr.Mallikarjuna Rao Dandu		1
Mr.M. Bala krishna		1
Mr. Mahesh Naidu		1
Mr.N.Sakthivelan		1
Mr.R.Syam Sudhakar Rao		1
Mr.P.Srinivasulu	1	

- ❖ Monographs:
- ❖ Chapter(s) in Books:
- ❖ Editing Books: **NIL**

> ➢ **Books with ISBN numbers with details of publishers**:

Text Books			
S. No	**Name of the Faculty**	**Title of the text books**	**Academic year**
1	**K.L.Narayana**	Text book on Engineering Drawing, JNTU version	2011-2012
		First year drawing – Premier Publishing House, Hyderabad	2010-2011
		Machine drawing – a text book – Premier Publishing House	2010-2011
		Metrology - SciTech Publishers	2009-2010
		Production Technology - IK international Publishers	2009-2010
		Production Drawing - New Age International Publishers	2009-2010
		Machine drawing – Wiley Eastern Limited	2008-2009
		Engineering Graphics - SciTech Publishers	2008-2009
		Engineering Drawing - SciTech Publishers	2008-2009
2	**R.Suresh**	Machine drawing and Manufacturing fabrication engineering Lab manual	2014-15
3	**R.Rajesh**	Machine drawing and Manufacturing fabrication engineering Lab manual	2014-15
4	**Dr. C. Vijaya Bhaskar Reddy, R. Rajesh, R. Suresh**	Machine Drawing	2016-2017

- Number listed in International Database (For *e.g*. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 10
- Citation Index – range / average: 2
- SNIP:NIL
- SJR:NIL
- Impact factor – range / average : 2
- h-index : 30

S. No	Department	Papers published
10.	Mechanical Engineering	300

Monographs   :   NIL
Chapters in books   :   04
Editing books   :   NIL

- Number listed in International Database (For *e.g*. Web of Science, Scopus,
- Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):-

S. No	Dept.	Name of the Staff Member	Google Scholar	Scopus
1	ME	Dr. U. Harinath	14	
2	ME	Prof. D. Krishna Mohan Raju	5	
3	ME	Dr. C. Vijaya Baskar Reddy	11	1
4	ME	Dr. A. Mahamani	28	7
5	ME	Smt. C.Umamaheswari	2	1
6	ME	Dr. K.Ravindranath	12	5
7	ME	Dr. K.L.Narayana	22	6
8	ME	Dr. O. V. Krishnaiah Chetty	20	6

Citation Index – range / average: Dr. Mahamani
*SNIP   :   NIL
*SJR   :   NIL

a) **Impact factor-range/average:**

S. No	Dept.	Name of the Staff Member	Impact factor- range/average
1	ME	Prof. D. Krishna Mohan Raju	0.92
2	ME	Dr. C. Vijaya Baskar Reddy	1.4
3	ME	Dr. A.Mahamani	0.9
4	ME	Smt. C.Umamaheswari	0.8
5	ME	Dr. K.Ravindranath	2.13
6	ME	Dr. K.L.Narayana	2.02
7	ME	Dr. O.Venkatakrishnaiah Chetty	2.01

❖ **h-index:**

S. No	Dept.	Name of the Staff Member	Impact factor (Max.)
1	ME	Dr. U. Harinath	8
2	ME	Prof. D. Krishna Mohan Raju	4
3	ME	Dr. C. Vijaya Baskar Reddy	8
4	ME	Dr. A. Mahamani	5
5	ME	Smt. C. Umamaheswari	2
6	ME	Dr. K. Ravindranath	8
7	ME	Dr. K. L. Narayana	8
8	ME	Dr. O.Venkatakrishnaiah Chetty	8

15. Details of patents and income generated : **NIL**

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies:

Academic year	2013-14	2014-15	2015-16	2016-17
National workshops/short term courses attended by the faculty	4	3	4	4

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	27	26	45	48

Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	90	90	90	90

 Percentage of students doing projects in collaboration with other universities / Industry / institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	10	10	10	10

19. Awards / recognitions received at the national and international level by
- Faculty   : NIL
- Doctoral / post doctoral fellows   : YES
- Students   : YES
- Students   : 01

     Paper Presentation and Awards in inter institute events by students of the programme. Prudhvi Kambhampati participated in this competition which enabled him to expand its network. His ideas and his project in PARIS, UK.

20. Seminars/ Conferences/Workshops organized and the source of funding (National /internasional) with details of outstanding participants, if any.

S. No	Title	Name of the Coordinator	Year	Name of funding agency
1	National level seminar on Mach inability behavior of aluminum matrix composite	Dr. Mahamani	15 Oct 2016	Serb India
2	Two days Workshop on Computation Fluid Dynamics, svcet, Chittoor	Mr.Kadheer ahmad Mr.Harish	22-23 Oct 2016	SVCET
3	One Day national level workshop on 3D PRINTING	Mr.Venkatakrishna Mr.Gangireddy	28-29 Dec 2016	SVCET
4	Online Webinar on Advanced AutoCAD	Mr. M.Sivaramakrishnaiah	28 Dec 2016	SVCET
5	Online Webinar on CATIA	Mr. M.Sivaramakrishnaiah	23 Jan 2017	SVCET
6	Two day workshop on Entrepreneur ship orientation program	Dr.TVS RaghavendraRao	13-14th July 2016	SVCET
7	Training program - CAD/CAE (AutoCAD Inventor) Software Training	Mr. M.Sivaramkrishnaiah	6 Days, 15/09/2016 to 20/09/2016	SVCET

21. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech(2013-14)		252	10	73.94	97.2
B.Tech(2014-15)		208	2	65.65	100
B.Tech(2015-16)		248	9	78.94	100
B.Tech(2016-17)					
M.Tech					
2013-14		8	2	93.75	100
2014-15		3	0	57.14	66.67
2015-16		1	0	0	0
2016-17		3	0		
M.Tech					
2014-15		7	0	100	0
2015-16		3	1	100	0
2016-17		9	0		

22. Diversity of students:

Name of the Programme (refer to question no. 4)	% of Students from the Same University	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Tech				
2013-14	85		9	6
2014-15	84		10	6
2015-16	86		10	6
2016-17	82			
M.Tech				
2013-14	100			
2014-15	96			14.3
2015-16	95			100
2016-17	100			
M.Tech				
2013-14	97			
2014-15	97			
2015-16	97			14.5

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Academic Year	Competitive Exam	Students Cleared
2016-17	GATE/PGCET	2
2015-16	GATE/PGCET	2
2014-15	GATE/PGCET	3
2013-14	GATE/PGCET	5

24. Student progression:

Student progression	Percentage against enrolled			
	2013-14	**2014-15**	**2015-16**	**2016-17**
UG to PG	--	--	--	--
PG to M.Phil.	--	--	--	--
PG to Ph.D.	--	--	--	2
Ph.D. to Post-Doctoral	--	--	--	--
Employed On Campus selection and off campus selection				158
Entrepreneurs	--	--	--	--

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	63%
from other universities within the State	30%
from other universities from other States	7%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: 01

27. Present details about infrastructural facilities

  a) Library:

     No. of Titles: 200

     No. of volumes:

  b) Internet facilities for staff and students: WI-FI, 70 mbps

  c) Total number of class rooms **:** 18

  d) Class rooms with ICT facility **:** 04

  e) Students' laboratories **:** 12

  f) Research laboratories **:** 01

28. Number of Post graduate students getting financial assistance from the University: 03

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology

Yes: The Departmental Staff committee periodically monitors the curriculum and actively takes part in curriculum development. The following observations are made

- Collecting feedback from the students, staff, alumni, employees & employers from the industry and software professionals.
- Discussion in Board of Studies meeting which includes the members from the other Universities, Industry and Alumni for updating the curriculum based on the needs of the industry.
- Planning to procure new equipment/software packages and tools for establishing new laboratories and conduct additional experiments beyond the syllabus

30. Does the department obtain feedback from

  b. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- **Yes:** The department obtains feedback from the faculty periodically on curriculum, teaching, learning and evaluation to upgrade the curriculum. The HOD advises the faculty to improve the teaching –learning process.

  b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- **Yes:** The Head of department collects the feedback on faculty members from the students on curriculum, teaching - learning and evaluates and advices the faculty members to improve their performance.

  c. Alumni and employers on the programmes and what is the response of the department to the same?

- **Yes:** The alumni meet is organized every year to collect the feedback from the alumni and stake holders; accordingly the quality of education is improved in the department.

The audit courses on quantitative aptitude and reasoning and professional ethics are included in curriculum to improve communication skills and develop professionalism.

31. List the distinguished alumni of the department (maximum 10)

1	Sri T. Nagarjuna	Wipro private ltd, Hyderabad
2	Sri A.Rupa	Amarraja batteries Ltd, Tirupathi
3	Sri K.P. Venkatamuni	Snam alloy ltd, pakala
4	Sri B.Perumal	Sri Venkateswara College of Engineering & Technology, Chittoor
5	Sri C. Uma Maheswari	Sri Venkateswara College of Engineering & Technology, Chittoor
6	Sri P.Balaji	Vemu college of engineering, pakala,
7	Sri R.Rajesh	Sri Venkateswara College of Engineering & Technology, Chittoor
8	Sri S. Bheemanjaneyulu	Sri Venkateswara College of Engineering & Technology, Chittoor
9	Sri P.Sreenivasulu	Sri Venkateswara College of Engineering & Technology, Chittoor
10	Sri R.Suresh	Sri Venkateswara College of Engineering & Technology, Chittoor

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Year	Special lecturers / Seminars/workshops
2016-17	04
2015-16	04
2014-15	04
2013-14	04

33. List the teaching methods adopted by the faculty for different programmes.

- Glass Board Teaching
- Regular discussions in the class to make the lecture more impressive
- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in different areas such as PE, PS, Drives etc.
- Conducting seminars on advanced topics by expert members
- Invited guest lecturers from industries/software professionals
- Conducting Remedial classes for slow learners
- Conducting Industrial visits for getting practical exposure

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

YES

The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes(POs)/ Learning outcomes are defined by the department development committee and are in tune with the mission of Department. The PEOs & POs are modified after taking the opinion from stakeholders if required.

- The department has established a comprehensive assessment process to meet its Program
  Objectives constantly and monitor the learning Outcomes.
- Program Educational Objectives (PEOs) of the UG are established in the year   and these address the following broad aspects.
  " What our graduates could do best "
  " How our graduates would approach problem solving, using what skills "
  " What values our graduates should have "
- Program Educational Objectives of the UG are:

Monitoring Methods:

1. Continuous assessment through assignments
2. Mid/Internal Examinations
3. External Examinations / Semester end examinations
4. Student Counseling
5. Result Analysis

35. Highlight the participation of students and faculty in extension activities.

1. Student Seminars, Technical Quiz, Group Discussion and Event Exhibition
2. Student awareness programmes
3. Expert lecturers from R&D organizations/power sectors/other institutions
4. Student technical symposium, Faculty development programs, national and international workshops/ conferences

Highlight the participation of students:

Year	Curricular activities		Extracurricular Activities Participation		Social Activities Participation
	No. of Students	Prizes	Cultural events	Sports	NSS
			No. of Students	No. of Students	
2016-17	20	1	2	2	--
2015-16	25	8	3	3	**--**
2014-15	15	6	15	6	**---**
2013-14	8	2	10	5	3

1. Participation of students and faculty in SELESTA cultural fest organized by the college in the year 2012, 2013,2014 & 2015

2. Participation of students in i- techno fest technical paper presentation 2012 , 2013,2014 &2015 organized by the college
3. Industrial visits by 2nd & 3rd and 4th year students in every year

Industrial training of students details:

Industrial training of students in the Academic Year 2016-2017

S.No	Name of the student	Class	organization
1	60 Students	II,III,IV B.Tech	PSG Foundary and Industrial Institute
2	53 students	II,III,IV B.Tech	PSG Foundary and Industrial Institute

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016-17	10	03	04
2015-16	10	25	27
2014-15	55	30	12
2013-14	50	20	10

36. Give details of "beyond syllabus scholarly activities" of the department.

1. Organizing students technical symposiums in every year
2. Organizing Students Seminar/Workshop/Conferences
3. Conducting Industrial Visits for Students to get practical knowledge
4. Participation of students in various intercollegiate / interuniversity / interstate / Competitions
5. Research and consultancy work carriedout by the faculty members
6. Conducting web seminars by expert members in different areas

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

YES
3. Accredited by NBA
4. Recognized as research centre by JNTUA, Ananthapuramu

38. Detail any five Major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:
- Good Students
- Dedicated faculty
- High pass percentage
- Good laboratories
- High campus selections

Weaknesses: R & D activities and consultancy are to be improved

Opportunities:

- availability of department library
- Internet facility to faculty and students
- Additional time for research work
- Extensive training for major project work and career development.
- Organizing National and International conferences / workshops / seminars in the thrust areas of Mechanical engineering.

Challenges

- To train the students for best academic results
- To train the students for more campus placements
- Motivation of students from rural back ground towards academics and soft skills.

39. Future plans of the department.

- To develop the department, which will be unique in this area for academic and industrial, needs.
- To undertake R&D works in leading technologies by forging alliance with various research organizations & industry.
- To become a globally recognized center of excellence in the field of ME
- To establish consultancy services & M.O.U with good companies
- To collaborate with other leading universities
- To impart additional coaching to academically poor & below average students.
- To organize the industry visits every year to fill the gap between curriculum & industry.
- At least one technical paper published by each faculty member during in a year

Department of Electronics and Communication Engineering

1	Name of the department	Electronics & Communication Engineering		
2	Year of establishment	1998		
3	Courses/ Programmes and subject combinations offered	B.Tech : ECE M.Tech : VLSI, DECS, ES PhD : ECE		
4	Number of teaching posts sanctioned and filled	60		60
5	Number of administrative / Technical staff	02		05
6	Number of students. Give details course –wise (2015-16) 　　　　B.Tech 　　　　M.Tech 　　　　Ph.D.	M	F	Total
		461	372	833
		102	40	142
		0	0	0
7	Ratio of teacher to students	B.Tech : 1:15. M.Tech : 1:12		
8	No. teachers in academic bodies of other autonomous colleges and Universities	NIL		
9	Latest revision of the curriculum (year)	R-14,R-15		
10	Number of students passed in NET/SLET etc. (last 4 years)	NIL		
11	Success rate of students	74%		
12	Awards and recognition received by faculty (last 4 years)	2		
13	Faculty who attended Natl./Intl. seminars (last 4years)	15		
	No. of seminars attended by the faculty National + Intl.	30		
14	Number of seminars organized (last 4 years) National + Intl.	7		
15	No. teachers engaged in consultancy and revenue generated	NIL		
16	Number of Ongoing projects and their total outlay	1, 21.4 Lakhs		
17	Research projects completed in the last 4 years & the outlay	NIL		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	152		
21	Average citation index and impact factor of publications	NIL		
22	Number of books in the departmental library, if any	923		
23	Number of computers	90		
24	Annual budget (excluding salary)	30 Lakhs		

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. **Name of the Department & its year of establishment:**
   Department of Electronics & Communication Engineering,
   Established in the year 1998

2. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph. D., etc.)**

   PG - M. Tech: VLSI Design, Embedded Systems and DE & CS
   UG - B. Tech: Electronics & Communication Engineering,
   Electronics & Tele Communication Engineering
   Electronics Engineering

   DECE: Diploma in Electronics & Communication Engineering

3. **Interdisciplinary courses and departments involved:**

Sub. Code	Interdisciplinary courses	Department Involved
B.Tech		
14AHS02	Engineering Mathematics-I	HAS
14AHS04	Engineering Physics	HAS
14AHS05	Environmental Science	HAS
14AEE02	Network Theory	EEE
14ACS02	Programming in C & Data Structures	CSE
14AHS09	Engineering Physics Lab	HAS
14AME03	Engineering Workshop	ME
14ACS04	C & Data Structures Lab	CSE
14AHS01	Technical English - I	HAS
14AHS06	Engineering Mathematics-II	HAS
14AHS03	Engineering Chemistry	HAS
14AME01	Engineering Drawing	ME
14AHS07	Technical English Lab - I	HAS
14AHS08	Engineering Chemistry Lab	HAS
14AHS11	Engineering Mathematics-III	HAS
14AHS12	Managerial Economics and Financial Analysis	HAS
14AEE15	Electrical Technology	EEE
14AEE17	Electrical Technology Lab	EEE
14AHS15	Quantitative Aptitude and Reasoning-I (Audit Course)	HAS
14AHS16	Quantitative Aptitude and Reasoning-II (Audit Course)	HAS
14AHS13	Technical English – II	HAS
14ACS07	Computer Organization	CSE
14ACS27	Computer Networks	CSE
14AHS14	Technical English Lab - II	HAS
14AMB01	Management Science	MBA

	(Audit Course)	
	DECE	
ECE 101	English – I	H & S
ECE 102	Engineering Mathematics – I	H & S
ECE 103	Engineering Physics	H & S
ECE 104	Engineering Chemistry and Environmental Studies	H & S
EC-301	Engineering Mathematics - II	H & S
EC-306	Electrical Technology	DEEE
EC-310	Electrical Technology Lab practice	DEEE
EC-401	Engineering Mathematics - III	H & S
EC-403	Network Analysis	DEEE
EC-406	Programming in C	DCME
EC - 408	Communication Skills	H & S
EC - 410	C and Matlab	DCME & DECE
EC - 503	Computer Hardware	DCME
EC - 507	Computer HW & Networking Lab	DCME
EC-508	Life skills	H & S
EC- 601	Industrial Management	DME
EC-602	Industrial Electronics	DEEE
EC- 607	Industrial Electronics Lab	DEEE
EC-106	Elements of Electrical Engineering	DEEE

4. Annual/ semester/choice based credit system

Semester Based credit system: Total number of credits R12 = 224 credits

R14 = 176 credits

5. Participation of the department in the courses offered by other departments

Computer Science and Engineering

Electrical and Electronics Engineering

Information Technology

Mechanical Engineering

S. No	Subject	Sharing Department
1	Microprocessor and Interfacing	IT
2	Analog Electronics Circuits	EEE
3	Switching Theory and Logical Design	EEE
4	Digital Signal Processing	EEE
5	Microprocessor and Interfacing	CSE
6	DE & MC	DEEE
7	Microprocessor	DCSE
8	Electronics Device Circuits	EEE
9	Digital Logic Design	IT
10	Electronics Circuit Analysis	IT
11	Principles of Communications	IT
12	Digital Logic Design	CSE
13	Principles Electronic Device Circuits	EEE
14	Linear Digital IC Design	EEE

15	Microprocessor & Microcontroller	EEE
16	Digital Signal Processing	EEE
17	DE & C0	DCSE
18	EEE	DEEE

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors / Asst. Professors)

	Sanctioned	Filled
Professor	10	10
Associate Professors	15	15
Asst. Professors	35	35

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D. / M. Phil., etc.)

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
1.	Dr. Suman Mishra	Ph. D	Professor & Head	Digital Signal Processing	17	
2.	Dr. M Sudhakara Reddy	Ph.D	Professor	Digital Signal Processing	38	
3.	Prof.A.S.N. Murthy	M.E.	Professor	Electrical Engineering Instrumentation & Control	39	
4.	Y. Murali Mohan Babu	M. E	Professor	Microwave & Radar Engineering	15	
5.	K Lokesh Krishna	M. Tech	Associate Professor	Micro Electronics	15	
6.	D. SRI HARI	M.E	Associate Professor	Applied, Electronics	17	
7.	S. Murali Mohan	M. E.	Associate Professor	VLSI Design	14	
8.	V. Jayachandra Naidu	M.Tech	Associate Professor	Communication Systems	9	
9.	M. Sharmila	M.E	Associate Professor	VLSI Design	11	
10.	S. Nagaraj	M. Tech	Associate Professor	VLSI	8	
11	M Chithra	M.Tech.	Associate Professor	Applied Electronics	12	
12	B Shoban Babu	M.Tech	Associate Professor	DECS	13	

13	D.D. Devisasikala	M. Tech	Associate Professor	Communication & Signal Processing	11	
14	R. Bala Bhasker	M.E	Assistant Professor	Applied Electronics	18	
15	S Manasseh	M. Tech	Assistant Professor	DECS	7	
16	J Madan Kumar	M. Tech	Assistant Professor	Applied Electronics	5	
17	M Krishna Chaithanya	M.Tech	Assistant Professor	VLSI	7	
18	K Venkatramana Reddy	M. Tech	Assistant Professor	VLSI	5	
19	P Prathap	M. Tech	Assistant Professor	DECS	6	
20	Mohammad Sadiq Ali	M.E	Assistant Professor	DECS	6	
21	S.Shajahan	M. Tech	Assistant Professor	Communication & Signal Processing	9	
22	A Yasoda	M. Tech	Assistant Professor	DECS	4	
23	L. Narayana Rao	M. Tech	Assistant Professor	VLSI	7	
24	T. Jaya Prakash Reddy	M. Tech	Assistant Professor	ECE	4	
25	K J Hymavathi	M.Tech	Assistant Professor	ES	3	
26	B. Rajasekhar	M.Tech	Assistant Professor	ES	1	
27	V.Pranava Bhargavi	M. Tech	Assistant Professor	DECS	1	
28	Gnanasoundari S	M.Tech	Assistant Professor	Applied Electronics	2	
29	Gnanapriya P	M. E	Assistant Professor	VLSI	1	
30	Ashwin J.S	M.E	Assistant Professor	Applied Electronics	1	
31	T Sree Latha	M. Tech	Assistant Professor	DSCE	5	
32	L Siva Prasad	M. Tech	Assistant Professor	DSCE	6	
33	P. Subramanyam	M. Tech	Assistant Professor	Embedded System	1	
34	V. Hari Prasad	M. Tech	Assistant Professor	DECS	3	

35	K. Naveen	M. Tech	Assistant Professor	VLSI	2	
36	P. Lavanya	M. Tech	Assistant Professor	VLSI	1	
37	G. Raghavendra	M. Tech	Assistant Professor	DECS	1	
38	D. Ravi	M. Tech	Assistant Professor	DECS	2	
39	A. Ashok Kumar	M. Tech	Assistant Professor	VLSI Design	2	
40	V. Ajay Shankar	M. Tech	Assistant Professor	VLSI Design	2	
41	Vinodhkumar Reddy	M. Tech	Assistant Professor	DECS	1	
42	V. Madhu	B. Tech	Assistant Professor	ECE	1	
43	Reddi Prasad	M. Tech	Assistant Professor	ECE	1	
44	J Vijayaraghavan	M. Tech	Assistant Professor	Applied Electrinics	8	
45	J. Keerthi Chandrika	M. Tech	Assistant Professor	VLSI Design	1	
46	C H Sureshbabu	M. Tech	Assistant Professor	VLSI Design	3	
47	K. Bhargavi	M. Tech	Assistant Professor	Embedded System	1	
48	M R Lokesh	M. Tech	Assistant Professor	VLSI Design	1	
49	K Jpoornima	M. Tech	Assistant Professor	VLSI Design	1	
50	R Murugan	M. Tech	Assistant Professor	Applied Electrinics	5	
51	K.Yamuna	M. Tech	Assistant Professor	VLSI Design	3	
52	K Srevathi	M. Tech	Assistant Professor	DECS	2	

8. Percentage of classes taken by temporary faculty – programme-wise information: NIL

S.No	Name of the Faculty	Qualification	Designation
1	Dr. H Ranganathan	PhD	Professor
2	Dr. N Guna Sekharan	PhD	Professor
3	M Sunil Reddy	M.Tech	Associate Professor
4	Nalanukala Sreenivasulu	M.Tech	Associate Professor
5	M Bhavithra	M.E	Associate Professor
6	Dr. S SRINIVASAN	PhD	Professor
7	J Vijayaraghavan	M.E	Associate Professor
8	M Palanisamy	M.Tech	Associate Professor

| 9 | Josephanthony Prathap | M.E | Associate Professor |
| 10 | A Run Balaji | M.Tech | Assistant Professor |

9. Programme-wise Student Teacher Ratio:

M. Tech: 1:12

B. Tech: 1:15

DECE: 1:20

10. Number of academic support staff (technical) and administrative staff:

Academic support staff: 05

Administrative staff: 02

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

S.No.	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (completed / ongoing)
1	Industry Institute Partnership Cell	AICTE/ MODROBS 31-03-2011	Dr. G. Surya Narayana Reddy	7.0 lakhs	On going
2	Advanced Communication Lab	AICTE/ MODROBS 17-07-2013	Dr. M. Sudhakara Reddy	17.8 lakhs	On going
3	Advanced Digital Signal Processor & Application Lab	AICTE/ MODROBS 2008	Dr. S. Padmanabhan	15 lakhs	Completed
4	Enhancement of real-time power analysis and control for distributed generation interface using FPGA	DST-WoS 2015	Mrs. D.D Devisasikala	21.4 lakhs	ongoing

12. Departmental projects funded by DST-FIST;DBT, ICSSR, etc.; total grants received:

Research Projects:

S. No	Academic Year	Funding Agency	Amount
1	2016-17	--	--
2	2015-16	--	--
3	2014-15	DST-WoS	21.4 Lakhs
4	2013-14	--	--

MODROBS:

S. No	Academic Year	Funding Agency	Amount
1	2016-17	--	--

2	2015-16	--	--
3	2014-15		
4	2013-14	AICTE	17.8 Lakhs

WORKSHOPS :

S. No	Academic Year	Funding Agency	Amount
1	2016-17	--	---
2	2015-16	DST-FDP	6 Lakhs
3	2014-15	AICTE/FDP	6 Lakhs
4	2013-14	ISTE-SRM	1 Lakhs

CONFERENCES:

S. No	Academic Year	Funding Agency	Amount
1	2016-17	---	----
2	2015-16	NC4GMC	1 Lakhs
3	2014-15	SERB/DST	1 Lakhs
4	2013-14	----	----

13. Research facility / centre with

State recognition	:	JNTUA ANANTHAPURAM
National recognition	:	NIL
International recognition	:	NIL

14. Publications:

Number of papers published in peer reviewed journals (national / international):

Number of papers published in peer reviewed journals (national / international):

National   : 02   International   : 152

(Details are furnished in Annexure - V)

- Monographs: NIL
- Chapter(s) in Books: NIL
- Editing Books: NIL

  Books with ISBN numbers with details of publishers:

S. No.	Name of the Faculty	Title of the Book	Publisher	Year of Publication	ISBN
1.	Dr. Suman Mishra	Wireless Sensor Networks	Sai Publishers Chennai	2012	978-93-82010-07-4
2.	Dr. Suman Mishra	Electronic Devices	Sai Publishers Chennai	2014	978-93-82010-30-2
3.	S.Nagaraj	EMI, Micro processors, Electronic circuits1, Digital Electronics	Falcon Publishers	2012	--

- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities
- International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.): NIL
- Citation Index – range / average: NIL
- SNIP:NIL

- SJR:NIL
- Impact factor – range / average: NIL
- h-index: NIL

15. Details of patents and income generated : NIL

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies:

Short Term Programmers, Workshops, Conferences

Year	No. of workshops / Seminars / papers presented in conferences / No. of papers published in Journals	No. of faculty involved
2016-17	38	75
2015-16	42	68
2014-15	36	54
2013-14	40	42

18. Student projects

- **percentage of students who have done in-house projects including inter-departmental:**
  M.Tech : 85 %
  B.Tech : 90 %
- **percentage of students doing projects in collaboration with industries / institutes:**
  M.Tech : 15 %
  B.Tech : 10 %

19. Awards / recognitions received at the national and international level by Faculty:

- Y. Muralimohan Babu, received best paper award in an IRF international conference held at Bangkok in august 2014.
- Doctoral / post doctoral fellows: NIL

Students Paper Presentation and Awards in inter institute events by students of the programme

S. No.	Name of the Student	Title of the paper	College of Participation	Award Status	Year
1	R.Sasideep & P.Prasanth	Sniffers for mobiles	ALIET, Vijayawada	Participation Certificate	Oct 2015
2	S. Nagendra	Virtual Antenna Technology	MeRITS, Udayagiri	Participation Certificate	23 Feb 2014
3	R. Vinod Kumar Reddy	VLSI	SVCE, Tirupathi	Participation Certificate	22 Feb 2014
4	P. Prasanth & R. Sesideep	ES	SVPCET, Puttur	1st Prize	04 April 2014

| 5 | R. Aruna & R. Srushith | Wireless Communication | MJRCET, Piler | 1st Prize | 12 April 2014 |

20. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Year	Workshops	Guest Lectures/ Student Festivals / Others	Industrial Tours
2013-2014	ISTE-SRM Sponsered Training Programe On VLSI Design Methodologies Using Tanner EDA Tool.	Baladhastagiri, K.V.Ramanaiah, N.Sreenivasulu, K.Vinod	Doddabetta Tea Factory, Fact Company Ltd.Cochi
2013-2014	Timing Closure-Advanced FPGA Design Concepts	Dr.Bharadwaj Muttuswamy	Doddabetta Tea Factory, Fact Company Ltd.Cochi
2014-2015	Three Day International workshop on FPGA based Embedded Systems Design.	Dr.Bharadwaj Muttuswamy.	--
2014-2015	FDP on Nano technology & mems	P.Panchalaiah K.Govardhan S.Muthu Raju	--
2015-2016	A Two-Day National Conference on,"Recent Trends in 4G Mobile Communication", (NC4GMC – 18 & 19 .12. 2015)	Dr. N. Venkateswaran	
2016-2017	. International Conference on advances in computer application, "Modified Lifting Scheme Algorithm for DWT with Optimized Latency & Through put and FPGA Implementation for Low Power & Area" 24 October 2016	Cyril Prasanna Raj P Dr.Bharadwaj Muttuswamy.	

21. Student profile course-wise:

B.Tech (Electronics and Communication Engineering)

Name of the Course	Selected Through	Selected		Pass percentage	
		Male	Female	Male	Female
2013-17	EAMCET	84	61	86.8	89.1
2012-16	EAMCET	67	59	62.54	78.25
2011-15	EAMCET	46	38	67.39	86.84
2010-14	EAMCET	91	46	70.3	86
2009-13	EAMCET	72	35	75	85.7

(b) M.Tech (VLSI Design, ES and DE & CS)

Name of the Course	Selected Through	Selected		Pass percentage	
		Male	Female	Male	Female
2015-17	GATE/PGCET/NRI	8	0	88.54	-
2014-16	GATE/PGCET/NRI	16	12	85.24	100
2013-15	GATE/PGCET/NRI	22	15	77.27	100
2012-14	GATE/PGCET/NRI	39	13	84.64	100
2011-13	GATE/PGCET/NRI	31	7	93	100

(c) DECE (Diploma in Electronics and Communication Engineering)

Name of the Course	Selected Through	Selected		Pass percentage	
		Male	Female	Male	Female
2014-17	PCET	12	8	61.23	51.25
2013-16	PCET	29	9	50.00	85.00
2012-15	PCET	33	9	15.15	77.77
2011-14	PCET	40	50	25	33.33
2010-13	PCET	18	4	27.7	50

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
M. Tech	-	90.27	-	9.7%
B. Tech	-	95.5	-	4.5%

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Academic Year	Competitive Exam	Students Cleared
2016-17	GATE	20
2015-16	GATE/PGCET	25
2014-15	GATE/PGCET	43
2013-14	GATE/PGCET	45

24. Student progression:

Student progression	Percentage against enrolled
UG to PG	10%
PG to M. Phil.	NA
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed • Campus selection • Other than campus recruitment	84 30

---

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	60.0%
from other universities within the State	10.0%
from other universities from other States	30.0%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

S.No	Name of the Faculty	Ph.D Awarded Year
1	Dr. Y. Murali Mohan Babu	2016
2	Dr. K. Lokesh krishna	2016

27. Present details about infrastructural facilities

a) Library

ECE Department library contains following books:

Year	Books	Titles	Student Projects Reports	
			UG	PG
2016-17	966	527	31	15
2015-16	930	515	35	27
2014-15	893	505	29	32
2013-14	853	500	30	40

b) Internet facilities for staff and students: 340 MBPS

c) Total number of class rooms: 14

d) Class rooms with ICT facility: 04

e) Students' laboratories:

Department of ECE has 18 exclusive Laboratories to meet Academic & Research Work

S. No	Name of The Lab
1	Electronics Device Circuits Lab
2	Linear Digital IC design Lab
3	Analog & Digital Communications Lab
4	Electronic Circuits Analysis Lab
5	Pulse and Digital Circuits lab
6	Signals and Systems Simulation Lab
7	Microprocessors and Microcontrollers Lab
8	IC Applications & ECAD Lab
9	Microwave and Optical communications lab
10	Digital Signal Processing Lab
11	Computer Programming Lab
12	VLSI Lab

13	DICD Lab
14	Embedded Systems Lab
15	Mixed Signal Lab
16	ADSP Lab
17	DSD Lab
18	MCI Lab

f) Research laboratories: NIL

28. Number of students of the department getting financial assistance from College: NIL

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology

Yes: Departmental Staff committee periodically monitors the curriculum and actively involves in curriculum development. For that following things are done

- Obtaining feedback from students, staff, employees and employers
- Discussion in BOS which include members from Industry, Universities and Alumni for syllabus formation
- Planning to procure new equipment for establishing laboratories

30. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes: For reviewing and upgrading the curriculum which will be useful for students.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes: At the end of each semester, feedback is obtained from the students. The feedback is analyzed and is given to the concerned faculty members for improvement.

c. alumni and employers on the programmes and what is the response of the department to the same?

Yes: Feedback is obtained from alumni and employers and the same is considered during the revision of the curriculum and course Structure.

31. List the distinguished alumni of the department (maximum 10)
1. M. Siva Kumar Reddy, Software Engineer, Motorola, Bangalore
2. N. Ramana Reddy, Software Engineer, Accenture, Bangalore
3. K. Phani Kumar Reddy, Embedded Software Engineer, Wipro, Bangalore
4. V.D. Vinod, IBM, Bangalore
5. Tejaswaroop, Wipro, Bangalore
6. Sandeep kumar reddy, Tata Infotech, Bangalore
7. Bala Subramanyam, Infosys, Bangalore

8. Saravani, TCS, Chennai
9. M.C. Sathish, Tata Elxsi, Bangalore
10. C. Ravi Kumar, Siemens, Bangalore

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

List of Workshops Conducted by the Department:

S. No.	Name of the Workshop	Workshop Date
1	Advances in VLSI Design & Embedded Systems	01st to 2nd Febraury, 2013
2	ISTE - SRM Short Term Training program on "VLSI Design Methodologies Using Tanner EDA Tools"	24th to 29th June, 2013
3	International Workshop on Timing Closure- Advanced FPGA Design Concepts	30th August, 2013
4	Three Day - International Workshop on "FPGA Based Embedded Systems Design"	05 - 07 September, 2014
5	Two week AICTE sponsored FDP on Nano technology & mems	18-30 May 2015
6	Two day National Level workshop on Image processing using MATLAB during	September 30- October 1 2016.
7	One Week National Workshop on "EMERGING TRENDS IN VLSI & amp; SIGNAL PROCESSING",	22.08.2016 to 27.08.2016
8	One day National level seminar on "Antenna and Wave Propagation" conducted on	29-08-2016
9	A Two-Day National Conference on,"Recent Trends in 4G Mobile Communication", (NC4GMC)	18 & 19 .12. 2015

Programmes organized towards Self Learning:

S.No	Name	Title	Year
1	Baladhastagiri, K.V.Ramanaiah, N.Sreenivasulu, K.Vinod	ISTE-SRM Sponsered Training Programe On VLSI Design Methodologies Using Tanner EDA Tool.	2013-2014
2	Dr.Bharadwaj Muttuswamy	Timing Closure-Advanced FPGA Design Concepts	2013-2014
3	Dr.Bharadwaj Muttuswamy	Three Day International workshop on FPGA based Embedded Systems Design.	2014-2015
4	P.Panchalaiah K.Govardhan S.Muthu Raju	FDP on Nano technology & mems	2014-2015
5	Dr. N. Venkateswaran	A Two-Day National Conference on,"Recent Trends in 4G Mobile Communication", (NC4GMC)	18 & 19 .12. 2015

6	Cyril Prasanna Raj P	. International Conference on advances in computer application, "Modified Lifting Scheme Algorithm for DWT with Optimized Latency & Through put and FPGA Implementation for Low Power & Area"	24 October 2016

33. List the teaching methods adopted by the faculty for different programmes.

- Black Board Teaching
- Regular discussions in the class to make the lecture more impressive
- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in individual subjects
- Research oriented final year projects and Research paper publication in Conference /seminars /journals
- Invited guest lectures are regularly arranged
- Remedial classes for slow learners
- Microsoft Innovation Center programme for advanced learners
- Industrial visits are arranged
- Out-of-syllabus study

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Program Educational Objectives (PEOs) of the UG in ECE are established and these address the following broad aspects.
  " What our graduates could do best "
  " How our graduates would approach problem solving, using what skills "
  " What values our graduates should have "
- Program Educational Objectives of the UG Electronics and Communication Engineering are:
  1. Graduates will excel in their professional career and/or higher education by acquiring knowledge in mathematical, scientific and engineering principles.
  2. Graduates will analyze real life problems, adopt the modern engineering tools to design systems appropriate to their solutions that are economically feasible and socially acceptable.
  3. Graduates will exhibit professionalism, ethical attitude, communication and management skills, team work and social responsibility in their profession and adapt to current trends by engaging in lifelong learning.

The staff is entrusted with the following responsibilities:
1. Teaches the topic in a lucid manner.
2. Discusses the concepts involved.
3. Questions the students to measure their ability of recollection.
4. Tests the depth of knowledge gained in each topic.
5. Conducts lab experiments effectively to enforce the concepts learned in theory.
6. Encourages students towards technical presentations in that subject area.
7. The department as a whole carry out the following responsibilities:
8. Offer assistance in selecting a recent and innovative area for project work.

9. Supervise effectively, the progress of the students during project work.
10. Arranges Guest lectures and technical presentations for imparting state of the art technological knowledge to the students.
11. Conduct Mid I, Mid II, Assignment tests and other examinations for assessing the students.
12. Conduct student feedback from time to time during the semester.
13. Keep track of students pass percentage
14. Keep track of students' placement percentage.
15. The above measures ensure that programme objectives are constantly met and learning
16. Outcomes are monitored effectively.

35. Highlight the participation of students and faculty in extension activities.

Highlight the participation of students:

Year	Curricular activities		Extracurricular Activities Participation		Social Activities Participation	
	Participation	Prizes	Cultural events	Sports	NCC Certificates	NSS
2016-17	10	3	--	5	--	4
2015-16	7	2	--	2	--	3
2014-15	12	7	-	6	-	10
2013-14	4	2	3	2	-	4

- Participation of students and faculty in SELESTA cultural fest organized by the college in the year 2012, 2013
- Participation of students in I TECHNO Symposium organized by the college every year
- Industrial visit by 2nd & 3rd year students every year

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016-17	15	10	5
2015-16	20	17	10
2014-15	18	61	10
2013-14	50	50	34

36. Give details of "beyond syllabus scholarly activities" of the department.
- Conducting Industrial tours for 2nd year and 3rd year B. Tech students every year.
- Conducting training classes for campus recruitment for final year students.
- Counseling the weak students to improve their performance

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Programme of Study	Description
UG B.Tech in Electronics & Communication Engineering	Accredited by NBA on 27th July 2006 for 3 Years
	Reaccredited by NBA on 21st September 2011 for 3 years
	Reaccredited by NBA on 19th May2015 for 2 years
	Accredited by NAAC with B Grade on 16th September 2011 for 5 Years
	Reaccredited by NAAC with B Grade on 1st May 2015 for 5 Years

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:
- Good Students
- Dedicated faculty
- Good pass percentage
- Good laboratories
- High campus selections

Weaknesses:
- Lack of sufficient Industry interaction for the students
- Lack of Industry consultation services

Opportunities:
- Availability of department library
- Internet facility to faculty and students
- Preparation time for research work
- Preparation time for students for their career
- Extensive training given to students for their project work.
- Conduct of National and International conferences in the thrust areas of ECE Department

Challenges:
- To train the students for better placements.
- To prepare the students to face placement interviews confidently
- Motivation of students of rural back ground towards academics and soft skills.

39. Future plans of the department.
- To develop the department, which will be unique in this area for academic and industrial needs.
- To undertake R&D works in latest technologies by forging alliance with various research organizations & industry.
- To become a globally recognized center of excellence in the field of ECE.
- To establish consultancy services & MoU with good companies.
- To collaborate with other leading universities
- To organize more industry visits every year to fill the gap between curriculum & industry.
- At least one technical paper published by each faculty member in a year

Department of Computer Science and Engineering

1	Name of the department	Computer Science and Engineering		
2	Year of establishment	1998		
3	Courses/ Programmes and subject combinations offered	B.Tech : CSE M.Tech : CSE M.Tech : CS		
4	Number of teaching posts sanctioned and filled	33		33
5	Number of administrative / Technical staff	04		
6	No. of students. Give details course wise (2016-17)	M	F	Total
	B.Tech	186	143	329
	M.Tech	09	07	16
	Ph.D.	0	0	0
7	Ratio of teacher to students	1:15		
8	No. teachers in academic bodies of other autonomous colleges and Universities	01		
9	Latest revision of the curriculum (year)	R-14, R-15 (2014 & 2015)		
10	Number of students passed in NET/SLET etc. (last 4 years)	5		
11	Success rate of students	80%		
12	Awards and recognition received by faculty (last 4 years)	2		
13	Faculty who attended National / International seminars (last 4 years)	15		
	No. of seminars attended by the faculty (last 4 years) National + International	30		
14	Number of seminars organized (last 4 years) National + International	20		
15	No. teachers engaged in consultancy and revenue generated	3, Rs. 1.60 Lakhs		
16	Number of Ongoing projects and their total outlay	2, Rs. 49.58 Lakhs		
17	Research projects completed during last 4 years & the outlay	NIL		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	136		
21	Average citation index and impact factor of publications	28.25/0.62		
22	Number of books in the departmental library, if any	200		
23	Number of computers	280		
24	Annual budget (excluding salary)	Rs. 20 Lakhs		

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

1. **Name of the Department & its year of establishment:**

   Name of the Department : Computer Science & Engineering
   Year of establishment : 1998

2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

   a) B. Tech in Computer Science & Engineering.
   b) M. Tech. in Computer Science & Engineering.
   c) M. Tech. in Computer Science

3. **Interdisciplinary courses and departments involved in B.Tech**

   i) Department of Humanities and Sciences

S.No	Subject Code	Interdisciplinary courses
1.	14AHS01	Technical English -I
2.	14AHS02	Engineering Mathematics-I
3.	14AHS03	Engineering Chemistry
4.	14AHS04	Engineering Physics
5.	14AHS05	Environmental Science
6.	14AHS06	Engineering Mathematics-II
7.	14AHS07	Technical English Lab-I
8.	14AHS08	Engineering Chemistry Lab
9.	14AHS09	Engineering Physics Lab
10.	14AHS10	Probability and Statistics
11.	14AHS12	Managerial Economics and Financial Analysis
12.	14AHS13	Technical English -II
13.	14AHS14	Technical English Lab-II
14.	14AHS15	Quantitative aptitude and Reasoning-I(Audit Course)
15.	14AHS16	Quantitative aptitude and Reasoning-II(Audit Course)

   ii) Department of Mechanical Engineering

S.No	Subject Code	Interdisciplinary courses
1.	14AME01	Engineering Drawing
2.	14AME03	Engineering Workshop
3.	14AME57	Robotics

   iii) Department of Electronics and Communication Engineering

S. No	Subject Code	Interdisciplinary courses
1.	14AEC01	Electronic Devices and Circuits
2.	14AEC02	Electronic Devices and Circuits Lab
3.	14AEC07	Digital Logic Design
4.	14AEC22	Microprocessors and Interfacing
5.	14AEC25	Microprocessors & Interfacing Lab
6.	14AEC31	MEMS & MICROSYSTEMS
7.	14AEC36	Digital Image processing

iv) Department of Electrical and Electronics Engineering

S. No	Subject Code	Interdisciplinary courses
1.	14AEE03	Basic Electrical Engineering

v) Department of MBA

S. No	Subject Code	Interdisciplinary courses
1.	14AMB01	Management Science (Audit Course)
2.	14AMB02	Professional Ethics (Audit Course)

4. **Examination System: Annual/ Semester / Trimester / Choice Based Credit System**
   Semester system --- Choice Based Credit System

5. **Participation of the department in the courses offered by other departments**

S.No	Subject Code	Title	Department (s)
1	14ACS02	Programming In C and Data Structures	ECE,EEE,CE,ME,AU
2	14ACS04	C and Data Structures Lab	ECE,EEE,CE,ME,AU
3	14ACS01	Problem Solving and Computer Programming	IT
4	14ACS03	Computer Programming Lab	IT
5	14ACS31	Computer Graphics	ME
6	14ACS12	Object Oriented programming through java	EEE
7	14ACS15	Data Base Management Systems	EEE
8	14ACS19	Computer Networks	ECE
9	14ACS35	Cloud Computing	ECE

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

Designation	Sanctioned	Filled
Professors	03	03
Associate Professors	06	06
Assistant Professors	24	24

7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./ M.Phil., etc.)

S.No.	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Awarded
1.	Dr. J. Janet	Ph.D	Professor	CSE	18	**3**
2.	Dr K Delhi Babu	Ph.D	Professor	CSE	25	-
3.	Dr T Sunil Kumar Reddy	Ph.D	Professor & HOD	Grid Computing	13	-
4.	Dr K N Sivabalan	Ph.D	Professor	CSE	14	-
5.	K Thyagarajan	M.Tech	Associate Professor	CSE	13	-
6.	P Jyoteeswari	M.Tech	Associate Professor	CSE	12	-
7.	J Velmurugan	M.Tech	Associate Professor	CSE	12	-
8.	S Vasu	M.Tech	Associate Professor	CSE	13	-
9.	S Bala Krishnan	M.E	Associate Professor	CSE	12	-
10.	P Sivaraman	M.E	Associate Professor	CSE	14	-
11.	N V Raja Sekhar Reddy	M.Tech	Assistant Professor	CSE	12	-
12.	K Dasaradharami Reddy	M.Tech	Assistant Professor	CSE	8	-
13.	S Mohan Raju	M.Tech	Assistant Professor	CSE	8	-
14.	G Sateesh	M.Tech	Assistant Professor	CSE	12	-
15.	N Vikram	M.Tech	Assistant Professor	CSE	4	-
16.	M Revathi	M.Tech	Assistant Professor	CSE	5	-
17.	K Pavan Kumar	M.Tech	Assistant Professor	CSE	4	-
18.	S HimaBindu	M.Tech	Assistant Professor	CSE	3	-
19.	V Sujatha	M.Tech	Assistant Professor	CSE	2	-
20.	P Ravi Kumar	M.Tech	Assistant Professor	CSE	2	-
21.	R Sateesh Kumar	M.Tech	Assistant Professor	CSE	2	-
22.	B V S Uma Prathusha	M.Tech	Assistant Professor	CSE	4	-
23.	K Geethavani	M.Tech	Assistant Professor	CSE	3	-

24.	A Sreejyoshna	M.Tech	Assistant Professor	CSE	5	-
25.	D Vinoth	M.Tech	Assistant Professor	CSE	5	-
26.	N R Sandhya	M.Tech	Assistant Professor	CSE	2	-
27.	B Obaiah	M.Tech	Assistant Professor	CSE	2	-
28.	B Balasubramanyam	M.E	Assistant Professor	CSE	2	-
29.	G DilliBabu	M.Tech	Assistant Professor	CSE	2	-
30.	M Jagadeeshbabu	M.Tech	Assistant Professor	CSE	2	-
31.	K Sahithya	M.Tech	Assistant Professor	CSE	1	-
32.	I Sheeba	M.Tech	Assistant Professor	CSE	5	-
33.	A M Vedhagrani	M.Tech	Assistant Professor	CSE	1	-
34.	K Rohitha	M.Tech	Assistant Professor	CSE	1	-

8. Percentage of classes taken by temporary faculty – programme-wise information:
NIL

9. Programme-wise Student Teacher Ratio
M.Tech - 6: 1
B.Tech - 15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Academic / Administrative Staff	Sanctioned	Filled
Academic support staff (Technical)	04	04
Administrative staff	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received Project-wise.

S.No	Title of the R&D Project or Research Grant	Funding Agency	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (completed/ ongoing)
1	Enabling Geographically Distributed Cloud Applications	Department of Science and Technology	P.Jyotheeswari	22.70	Ongoing (2013-16)
2	Optimizing Data Movement in Cloud	Department of Science and Technology	DrJ.Janet	26.88	Ongoing (2014-17)

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
NIL

13. Research facility / centre with
- National recognition
  - Center of Excellence for Big Data Analytics and Cloud Computing (DST Funding)
- others :
  - IBM Center of Excellence
  - Microsoft Innovation Center
  - Infosys Campus Connect

14. Publications:
Number of publications in a) International Journals: 136

b) National journals   : 10

- ❖ Books with ISBN with details of publishers:

1) "Information Storage Management", T Sunil Kumar Reddy, P Ravi Kumar, Shanlax Publications shanlaxpublications@gmail.com ISBN:978- 93-85399-94-7.
2) "Introduction To Grid Computing", Sunil Kumar Reddy, P Ravi Kumar, Dorrance Publishing U.K, 2016 Accepted (In Press)
3) S Balakrishnan" Advanced Computer Architecture", Research India Publications, New Delhi ISBN-978-93-86138-03-3
4) S Bala Krishnan "Design and Analysis of Algorithms", Sai Publishers, Chennai (In press)
5) SBala Krishnan, "Artificial Intelligence and Expert Systems", Sai Publishers, Chennai (In Press).
6) S Bala Krishna," Integration of Agent Based Computing with cloud computing : towards cloud intelligent Systems, International Research Publications house, Engineering and Technology: Recent innovation and research, ISBN -978-93-86138-06-4.
(Details are furnished in Annexure – V)

15. Details of patents and income generated: NIL

16. Areas of consultancy and income generated:

S. No	Project Title	Organization	Period	Amount
1.	Inventory Management of Sports Goods	Greece Sportswear, Madurai	2016-17 (6months)	Rs.75,000
2	Dynamic website for SVCOP	Sri Venkateswara College of Pharmacy	2014-15 (3months)	Rs30,000
3	Dynamic website for SVCO Nursing	Sri Venkateswara College of Nursing	2013-14 (3months)	Rs30,000
4	Automation of SV Cooperative Stores	Sri Lakshmni International Hostels	2015-16 (3months)	Rs 25,000
Total				1,60,000

17. Faculty Recharging strategies :

Year	Name of the program/Event	Developed / organized by
2013-14	Two-Weeks Faculty development programme on "Internet & Web technologies"	Dr.J.Janet
2014-15	Two-Weeks Faculty development programme on "Internet & Web technologies"	1.Ruchi Sherma 2.Amrith 3.Sampath
2015-16	NIL	-
2016-17	1. One-Week Faculty development programme on "Internet of Things (IOT) under TEQIP, 1.2"	T.Sunil Kumar Reddy
	2.Internet of Things (IOT)	Dr.Dharmendra Singh P.hD, SITE, VIT, Vellore
	3.Advanced Architecture in Cloud System	Mr. Raja Sreenivasan Sr. Project Manager, EFX, Chennai.
	4.Big Data Analytics	Dr. M. Venkatesan P. hD, Assoc. Prof., School of CSE, VIT, Vellore.

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	22	28	27	23

a) Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	M.Tech: 50% B.Tech: 80%	M.Tech: 50% B.Tech: 80%	M.Tech: 50% B.Tech: 80%	M.Tech: 50% B.Tech: 80%

b) Percentage of students doing projects in collaboration with other universities / Industry / institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	M.Tech: 50% B.Tech: 20 %	M.Tech: 50% B.Tech: 20 %	M.Tech: 50% B.Tech: 20 %	M.Tech: 50% B.Tech: 20 %

19. Awards / recognitions received at the national and international level by

- Faculty : Nil
- Doctoral: Nil
- Students: Nil

20. Seminars/ Conferences/Workshops organized and the source of funding (National/ International) with details of outstanding participants, if any.

Academic Year	Number of Events	No of Resource Persons	No of participants
2016-17	4	6	200
2015-16	5	4	320
2014-15	9	11	720
2013-14	2	2	85

(Details are furnished in Annexure – IV)

21. Student profile course-wise:

Name of the Course	Applications received			Selected		Pass percentage	
				Male	Female	Male	Female
M Tech(2015-16)	CSE-I	CSE-II	CS	8	4	50	100
	6	4	2				
M.Tech(2014-15)	8	0	3	6	5	100	100
M.Tech(2013-14)	13	10	4	21	6	90	100
M.Tech (2012 – 14)	CSE - I	CSE – II	CS	25	12	88	100
	16	14	12				
M.Tech (2011 – 13)	CSE - 13			06	04	83	100
M.Tech (2010 – 12)	CSE - 15			09	06	78	100
M.Tech (2009 – 11)	CSE - 18			14	04	100	100
B.Tech(2013-17)	104			57	47	97.5	100
B Tech(2012-16)	136			75	61	61	88
B Tech(2011-15)	126			69	57	60	78
B.Tech (2010 – 14)	91			47	44	81	95
B.Tech (2009 - 13)	46			27	19	96	100
B.Tech (2008 – 12)	64			33	31	94	100
B.Tech (2007 – 11)	60			34	23	82	88

22. Diversity of students

UG-B.Tech

Year	Name of the Course(refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
2016-17	B.Tech	0	94.73	4.6	0.6
2015-16	B.Tech	0	74	13	13
2014-15	B.Tech	0	81	10	9
2013-14	B.Tech	0	90	8	2

PG- M.Tech

Year	Name of the Course(refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
2016-17	M.Tech	0	100	0	0
2015-16	M.Tech	0	0	25	75
2014-15	M.Tech	0	100	0	0
2013-14	M.Tech	0	100	0	0

23. How many students have cleared Civil Services, Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category - wise.

Academic Year	No. of Students cleared GATE
2016-17	02
2015-16	01
2014-15	02
2013-14	01

24. Student progression

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	10	10	10	13
PG to Ph.D.	1	Nil	Nil	Nil
Employed				
Campus selection /Off Campus selections	60	26	39	31

25. Diversity of staff

Percentage of B Tech faculty who are graduates	
of the same parent university	54.16
from other universities within the State	12.25
from other universities from other States	33.33

Percentage of M Tech faculty who are graduates	
of the same parent university	45
from other universities within the State	22
from other universities from other States	33

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period - ONE

T Sunil Kumar Reddy awarded Ph.D in the year 2015.

27. Present details about infrastructural facilities

a) Library Central

Central Library	Books		Print Journals		
	Titles	Volumes	International	National	Back file access since
	7178	40842	104	74	2000
Department	200	-	-	-	2000

b) Internet facilities for staff and students: 70 Mbps Broadband internet connectivity is available in number of class rooms.
- Class rooms with ICT facility: 9
- No of Class Rooms: 9
- No of faculty Rooms: 2
- Seminar hall: 1
- No of Laboratories: 9

b) Research laboratories
- Center of Excellence for Big Data Analytics and Cloud Computing (DST Funding)
- IBM Center of Excellence
- Microsoft Innovation Center

28. Number of students of the department getting financial assistance from College:
NIL

29. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology

YES

Departmental Staff committee periodically monitors the curriculum and actively involves in curriculum development. This is carried out in the following steps.

- Getting inputs from the stakeholders.
- Taking into consideration the demand for that particular subject.
- Getting feedback from students, staff, employees, and employers
- Discussion in BOS which include members from Industry, Universities and Alumni for syllabus formation.
- Submitting the report to get approval from concerned bodies.

30. Does the department obtain feedback from

a) **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**
Yes. Feed back is utilized to improve curriculum and teaching learning process.

b) **Students on staff, curriculum as well as teaching –learning-evaluation and what is the response of the department to the same?**
   i. Yes. Feedback from students on faculty is used to know the strengths and weaknesses of a faculty member.
   ii. Feedback from students on curriculum and teaching learning process is used to improve the curriculum and teaching learning process respectively.

c) **Alumni and employers on the programmes and what is the response of the department to the same?**
   i) Feedback from alumni is utilized to improve revised curriculum and teaching learning process.
   ii) Feedback from employer is utilized to improve curriculum and to plan student training programmes.

31. List the distinguished alumni of the department (maximum 10)

1. K. Jagan Mohan Reddy, Mformation Software Technologies. Ltd, Bangalore, Technical Lead,jaganmohanreddyk@gmail.com
2. N. Bharathwaz, POL Hyderabad, S enior SQA,bharathwaza@gmail.com
3. N. Harish Babu, HP, Bangalore, Technology Consultant, harrisnunna@yahoo.co.in
4. B. Sudhakar, Converges Corporation, Hyderabad, Analyst Operating Systems,sudhakar_bhattu@yahoo.com
5. S. VasanthKumar,CTS USA,vasanth_s29@yahoo.co.in,
6. Srilatha S, Tech Mahendra, Software Engineer,srilatha.sankara@gmail.com
7. Poorna Chandra ,CSC,Softwareengineer,poornacse@gmail.com
8. B. Vijay Kumar, GE Electronics, Software Engineer, vijay kumarreddy.royal@gmail.com
9. A Poojith ,Tech Mahindra, Software Engineer, Poojitha.addanki@gmailcom
10. Rajesh Reddy C ,CTS, Software Engineer, robinrajeshhood@gmail.com

32. Give details of student enrichment programmes (special lectures/ workshops /seminar) involving external experts.

Guest Lectures / Workshops / Seminars / Training programmes organized

Academic Year	Number of Events	No of Resource Persons	No of Participants
2016-17	4	6	200
2015-16	5	4	320
2014-15	9	11	720
2013-14	2	2	85

33. List the teaching methods adopted by the faculty for different programmes.

Apart from regular teaching, other teaching methods include:
- Webinars, video conferences, Multimedia based teaching
- Guest lectures from alumni, academicians and industry personnel.
- Organizing industrial visits.
- Industry oriented training and internships.
- Encouraging the students to present papers at Seminars/Conferences
- e-books
- Undergo training offered by Industry in the campus.
- Remedial and Tutorial classes for slow learners
- Certification programmes through IBM Center of Excellence, Microsoft Innovation Center and Infosys Campus Connect programme.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes(POs)/ Learning outcomes are defined by the Department Advisory Board on par with the vision and mission of the Department .
- The PEOs & POs are modified based on feedback of stakeholders.
- Mapping Course Outcomes with POs
- Mapping Course Objectives with PEOs

- Outcome is monitored by assessing in following areas.

  - By observing academic progress (internal & external exams assessment)
  - By analyzing the % passed in competitive exams
  - Participation of students in extracurricular activities
  - Participation of faculty in various development programmes
  - By analyzing the records of placement & higher studies

Monitoring Methods:
- Continuous assessment through assignments
- Mid/Internal Examinations
- External Examinations / Semester end examinations
- Student Counseling
- Result Analysis

35. Highlight the participation of students and faculty in extension activities.
1. Student Seminars, Technical Quiz, Group Discussion and Event Exhibition
2. Student awareness programmes
3. Expert lecturers from R&D organizations/power sectors/other institutions
4. Student technical symposium, Faculty development programs, national and international workshops/ conferences.

   Following is the list representing Participation of students in various events during the last four years:

Year	Curricular Activities		Extracurricular Activities Participation		Social Activities Participation
	Participation	Prizes	Cultural events	Sports	NSS
2016-17	15	4	15	20	40
2015-16	10	2	10	8	30
2014-15	80	15	20	-	60
2013-14	100	20	25	2	100

Faculty participation in extension activities

Year	No. of workshops/ Seminars	No. of papers published in Journals	No. of papers presented in conferences
2016-17	5	15	6
2015-16	30	25	8
2014-15	30	40	8
2013-14	1	13	2

36. Give details of "beyond syllabus scholarly activities" of the department.
- Organizing students technical symposiums in every year
- Organizing Students Seminar/Workshop/Conferences
- Conducting Industrial Visits for Students to get practical knowledge
- Participation of students in various intercollegiate/interuniversity/interstate/ Competitions
- Research and consultancy work carried out by the faculty members
- Conducting web seminars by expert members in different areas

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

YES
- Accredited by NBA
- Recognized as research centre by JNTUA, Ananthapuramu

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:
- Motivated and enthusiastic faculty
- Modern laboratories
- Establishment of Center of Excellence for Big Data Analytical and Cloud computing
- Active training programmes through IBM Centre of Excellence, Infosys Campus Connect, Microsoft Innovation Centre
- Active Students
- MOU with Microsoft, Infosys, IBM, Sun Micro systems, Wipro.
- Effective and active participation of staff and students in technical and non-technical events intra and inter College.

Weaknesses:
- Qualification of faculty and publications
- Participation and success rate of students in the competitive examination

Opportunities:

- More number of faculty could pursue Ph.D.
- Industry oriented training and project implementation could be taken
- Staff and students could be motivated to undertake consultancy assignments to neighboring industries

Challenges:

- To improve the pass percentage of the students
- To scout for meritorious students
- To attract the best talents in the education sector
- To improve R and D activity
- To collaborate more with the industry towards final year project implementation and training
- To aid in effective and more number of campus placements

39. Future plans of the department.
- To interact with more industrial research centers for collaborative research.
- To inculcate inter disciplinary research organizations to get research grants.
- To provide additional Entrepreneurship skills to the students.
- To extend helping hands to under privileged in neighboring areas.
- To interact extensively with alumni to start collaborative research

NAAC SSR Report 2013-17

Department of Information Technology

1	Name of the department	Information Technology		
2	Year of establishment	1999		
3	Courses/ Programmes and subject combinations offered	B. Tech : IT M.Tech : Software Engineering		
4	Number of teaching posts sanctioned and filled	15		15
5	Number of administrative / Technical staff	03		
6	Number of students. Give details course –wise (2016-17)	M	F	Total
	B.Tech	09	11	20
	M.Tech	-	-	-
7	Ratio of teacher to students	B.Tech : 1:15		
8	No. teachers in academic bodies of other autonomous colleges and Universities	-		
9	Latest revision of the curriculum (year)	R14		
10	Number of students passed in NET/SLET etc. (last 4 years)	-		
11	Success rate of students	70		
12	Awards and recognition received by faculty (last 4 years)	1		
13	Faculty who attended Natl./Intl. seminars (last 4 years)	5		
	No. of seminars attended by the faculty National + International	5		
14	Number of seminars organized (last 4 years) National + International	4		
15	No. teachers engaged in consultancy and revenue generated	NIL		
16	Number of Ongoing projects and their total outlay	1		
17	Research projects completed during last 4 years & the outlay	NIL		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	32		
21	Average citation index and impact factor of publications	NIL		
22	Number of books in the departmental library, if any	300		
23	Number of computers	72		
24	Annual budget (excluding salary)	4 Lakhs		

DEPARTMENT OF INFORMATION TECHNOLOGY

1. Name of the Department & Year of establishment:

Name of the Department : Information Technology

Year of establishment **:** 1999

2. Names of Programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

Ph.D - Nill

PG - M. Tech: Software Engineering

UG - B. Tech: Information Technology

3. Interdisciplinary programmes and departments involved:

i. Department of Humanities and Sciences

S.No	Subject Code	Interdisciplinary courses
1.	14AHS01	Technical English -I
2.	14AHS02	Engineering Mathematics-I
3.	14AHS03	Engineering Chemistry
4.	14AHS04	Engineering Physics
5.	14AHS05	Environmental Science
6.	14AHS06	Engineering Mathematics-II
7.	14AHS07	Technical English Lab-I
8.	14AHS08	Engineering Chemistry Lab
9.	14AHS09	Engineering Physics Lab
10.	14AHS10	Probability and Statistics
11.	14AHS12	Managerial Economics and Financial Analysis
12.	14AHS13	Technical English -II
13.	14AHS14	Technical English Lab-II
14.	14AHS15	Quantitative aptitude and Reasoning-I (Audit Course)
15.	14AHS16	Quantitative aptitude and Reasoning-II (Audit Course)

ii. Department of Mechanical Engineering

S.No	Subject Code	Interdisciplinary courses
1.	14AME01	Engineering Drawing
2.	14AME03	Engineering Workshop
3.	14AME57	Robotics

iii. Department of Electronics and Communication Engineering

S.No	Subject Code	Interdisciplinary courses
1.	14AEC01	Electronic Devices and Circuits
2.	14AEC02	Electronic Devices and Circuits Lab
3.	14AEC07	Digital Logic Design

4.	14AEC22	Microprocessors and Interfacing
5.	14AEC25	Microprocessors & Interfacing Lab
6.	14AEC31	MEMS & MICROSYSTEMS
7.	14AEC36	Digital Image processing

iv. Department of Electrical and Electronics Engineering

S.No	Subject Code	Interdisciplinary courses
1.	14AEE03	Basic Electrical Engineering

v. Department of MBA

S.No	Subject Code	Interdisciplinary courses
1.	14AMB01	Management Science (Audit Course)
2.	14AMB02	Professional Ethics (Audit Course)

vi. Department of CSE

S.No	Subject Code	Interdisciplinary courses
1.	14ACS01	Problem Solving and Computer Programming
2.	14ACS03	Computer Programming Lab
3.	14ACS05	Data Structures
4.	14ACS06	Data Structures Lab
5.	14ACS08	Advanced Data Structures
6.	14ACS09	Discrete Mathematics
7.	14ACS10	Advanced Data Structures Lab
8.	14ACS11	Operating Systems
9.	14ACS13	Design and Analysis of algorithms
10.	14ACS15	Database Management systems
11.	14ACS17	Database Management Systems Lab
12.	14ACS19	Computer Networks
13.	14ACS20	Computer Graphics
14.	14ACS21	Software Engineering
15.	14ACS23	Computer Graphics and Compiler Design Lab
16.	14ACS25	Object Oriented Analysis & Design
17.	14ACS26	Internet and Web Technologies
18.	14ACS27	Data Warehousing and Data Mining
19.	14ACS32	Data Engineering &Web Technologies Lab
20.	14ACS34	Artificial Intelligence & Expert Systems
21.	14ACS35	Cloud Computing
22.	14ACS36	Software Testing
23.	14ACS39	Big Data Analytics
24.	14ACS40	Software Project Management
25.	14ACS41	Web Services
26.	14ACS43	Internetworking with TCP/IP
27.	14ACS45	Cloud Computing and Software Testing Lab

4. Examination System: Annual/ Semester / Trimester / Choice Based Credit System

Semester system --- Choice Based Credit System

5. Participation of the department in the courses offered by other departments:

NIL

6. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst.Professors/ others)

Designation	Sanctioned	Filled
Professor	01	01
Associate Professors	03	03
Asst. Professors	11	11

7. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

S.No	Name of the faculty	Designation	Qualification	Specialization	No. of years of Experience
1	S. R. Rajkumar	Professor	M. Tech	Information Technology	29
2	G. B. Hima Bindu	Associate Professor	M. Tech	Computer Science & Engineering	7
3	S. Muzamil Basha	Associate Professor	M. Tech	IT (Networking)	6
4	K. Aravind	Associate Professor	M. Tech	Software Engineering	7
5	G. Hemalatha	Assistant Professor	M. Tech	Computer Science & Engineering	2
6	K. G. Vella Vikash	Assistant Professor	M. Tech	Software Engineering	2
7	Alam Suresh Kumar	Assistant Professor	M. Tech	Software Engineering	2
8	M. Jagadeesh Babu	Assistant Professor	M. Tech	Software Engineering	2
9	P. Durga Prasad	Assistant Professor	M. Tech	Software Engineering	2
10	G. Maruthi	Assistant Professor	M. Tech	Software Engineering	2
11	K. Vishnu Kumar	Assistant Professor	M. Tech	Software Engineering	2
12	G. Nagaveni	Assistant Professor	M. Tech	Computer Science & Engineering	2

13	V Ramya	Assistant Professor	M. Tech	Software Engineering	2
14	G. Srinivasan	Assistant Professor	M. Tech	Software Engineering	3
15	P Chaithanya Kumari	Assistant Professor	M. Tech	Computer Science & Engineering	1

8. Percentage of classes taken by temporary faculty – programme-wise information:
    NIL

9. Programme-wise Student Teacher Ratio:
    M. Tech: 06:01
    B. Tech: 15:01

10. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled
Support staff	2	2
Administrative staff	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S.No.	Title of the R&D Project or Research Grant	Funding Agency	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (completed/ongoing)
1	Energy & QoS Management in Cloud Computing Environment	Department of Science and Technology	G B Hima Bindu	19.85	Approved (2016-18)

12. Departmental projects funded by DST-FIST; UGC - SAP/CAS, DPE; DBT, ICSSR, AICTE etc.; total grants received:

S.No.	Title of the R&D Project or Research Grant	Funding Agency	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In lakhs	Status of the Project (completed/ongoing)
1	Energy & QoS Management in Cloud Computing Environment	Department of Science and Technology	G B Hima Bindu	19.85	Approved (2016-18)

13. Research facility / centre with

- National recognition:
  - Center of Excellence for Big Data Analytics and Cloud Computing (DST Funding)
- Others
  - IBM Center of Excellence
  - Microsoft Innovation Center
  - Infosys Campus connect

14. Publications:

∗Citation Index – range / average:

∗SNIP**:**

∗SJR**:**

∗Impact Factor – range / average**:**

Number of publications in a) International Journals: 32

b) National journals : Nil

- ❖ Books with ISBN with details of publishers:
1. "Information Storage Management", T Sunil Kumar Reddy, P Ravi Kumar, **S** Muzamil Basha, SHANLAX PUBLICATIONS, shanlaxpublications@gmail. com ISBN:978-93-85399-94-7.

15. Details of patents and income generated : **NIL**

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies(UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Year	Name of the program/Event	Developed / organized by
2014-15	Two-Weeks Facultydevelopment programme on "Internet & Web technologies"	1.Ruchi Sherma 2.Amrith 3.Sampath

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	12	11	8	NIL

Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	M.Tech : 0% B.Tech: 80%	M.Tech : 0% B.Tech: 80%	M.Tech : 0% B.Tech: 80%	M.Tech : 0% B.Tech: 80%

Percentage of students doing projects in collaboration with other universities / Industry / institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	M.Tech: 0 % B.Tech: 20 %	M.Tech: 0 % B.Tech: 20 %	M.Tech: 0 % B.Tech: 20 %	M.Tech: 0 % B.Tech: 20 %

19. Awards / recognitions received at the national and international level by

❖ Faculty: G.B. Hima Bindu, S. R. Rajkumar got 2nd prize in the national level conference as a best paper at Sri Padmavathi Mahila Viswa Vidyalayam, Tirupati on 23.10.2013
❖ Doctoral / post doctoral fellows: NIL
❖ Students:
  - Durbar Partha & E Chandana won 1st prize in debate competition.
  - Susmitha chaudari won Third Prize for developing an application in hackathon organized by Edukinect and Microsoft for the aspiring Indian youth (EdvantageYappon) and got gold medal as she stood topper in information technology in the total region of JNTUA by JNTUA.

Academic Year	Paper Presentation	Workshop
2016-17	7	14
2015-16	6	15
2014-15	2	4
2013-14	15	20

20. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Academic Year	Number of Events	No of Resource Persons	No of participants
2016 -17	2	4	30
2015-16	2	2	30
2014-15	2	3	30

21. Student profile programme-wise:

Name of the Course	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Tech (SE) (2015-17)	3	3	-	100%	-
M. Tech (SE) (2014-16)	0	-	-	-	-
M. Tech (SE) (2013-15)	2	1	1	100%	100%
M. Tech (SE) (2012-14)	16	13	03	100%	100%
M. Tech (SE) (2011-13)	6	04	02	100%	100%
B. Tech (2013-17)	0	-	-	-	-
B. Tech (2012-16)	42	20	22	40%	90.9%
B. Tech (2011-15)	49	30	19	50%	57.89%

B. Tech (2010-14)	52	28	24	40.09%	84%
B. Tech (2009-13)	44	27	17	80%	92.55%

22. Diversity of students

Year	Name of the Course (refer question no.2)	% of students from the College	% of students from the State	% of students from other States	% of students From other countries
2016-17	M. Tech	-	-	-	-
2016-17	B. Tech	-	-	-	-
2015-16	M. Tech	-	-	-	100%
2015-16	B. Tech	-	75%	-	25%
2014-15	M. Tech	-	-	-	-
2014-15	B. Tech	-	43.75%	-	56.25%
2013-14	M. Tech	-	50%	50%	-
2013-14	B. Tech	-	-	-	-

23. How many students have cleared Civil Services, Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category - wise.

Academic Year	Competitive Exam	Number of Students Cleared
2016-17	GATE/PGCET/GRE/TOEFEL	-
2015-16	GATE/PGCET/GRE/TOEFEL	-
2014-15	GRE/ PGECET	5
2013-14	PGCET	12

24. Student progression:

Student Progression	2016-17	2015-16	2014-15	2013-14
UG to PG	Nil	1	1	12
PG to Ph.D.	Nil	Nil	Nil	Nil
Employed				
Campus selection/off Campus selections	Nil	9	8	19

25. Diversity of staff

Percentage of faculty who are graduates	
of the same university	86.66%
from other universities within the State	0%
from other universities from other States	14.44%
From universities outside the country	0%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **NIL**

27. Present details of departmental infrastructural facilities with regard to

   a) Library

Central Library	Books		Print Journals		
	Titles	Volumes	International	National	Back file access since
	7178	40842	104	74	2000
Department	155	145	-	-	2000

   b) Internet facilities for staff and students: WI – FI 70Mbps Broadband internet connectivity is available for both staff & students.

   Class rooms with ICT facility: 04

   Total number of class rooms: 04

   No of faculty Rooms: 01

   Seminar hall: 01

   No. of laboratories: 8

   Research laboratories:
- Center of Excellence for Big Data Analytics and Cloud Computing (DST Funding)
- IBM Center of Excellence
- Microsoft Innovation Center
- Infosys Campus Connect

28. Number of post graduate students getting financial assistance from the university: NIL

29. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology

Yes: Departmental Staff committee periodically monitors the curriculum and actively involves in curriculum development. This is carried out in the following steps.
- Taking in to account the suggestions given by the stakeholders.
- Taking into consideration the demand for that particular subject.
- Obtaining feedback from students, staff, employees, and employers
- Discussion in BOS which include members from Industry, Universities and Alumni for syllabus formation
- Planning to procure new equipment for establishing laboratories on the basis of requirements
- Submitting the report to get approval from concerned bodies

30. Does the department obtain feedback from

   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
- For reviewing and upgrading the curriculum that is useful and appropriate for students.
- To narrow gaps between industry and academics and to introduce new courses considering the needs of students in particular and the society in general.

   b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes: at the end of each semester, feedback is obtained from the students. The feedback is analyzed and is given to the concerned faculty members for improvement for taking the measures such as,
  - ➢ Encouraging the staff to attend various Skill and knowledge enhancement programs like workshops, FDPs, Conferences.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?
- Yes: Feedback is obtained from alumni and employers and the same is considered during the revision of the curriculum.
  - ➢ To meet the industrial requirements.
  - ➢ To make curriculum to incorporate new technologies and new subjects as per the demand of industries.

31. List the distinguished alumni of the department (maximum 10)
1. Mr. JeevanDondapati, Team Lead, Accenture, Bangalore.
2. N. Bindusree, IBM, Bangalore.
3. Jalaja M R, CSC, Chennai.
4. Suresh T, TCS, Trivandram.
5. Kumar Reddy C, TCS, Trivandram.
6. Mansoor Syed, IT Support at Ericsson India Global Service Pvt. Ltd.
7. T. Charan, Systems Engineer, TCS.
8. M Mamtha, Software Engineer, Accenture.
9. Bishnu Kumar Bagath, Infosys.
10. K. Mohan Prasad, Emphasis.

32. Give details of student enrichment programmes (special lectures/ workshops /seminar) involving external experts.

Academic Year	Number of Events	No of Resource Persons	No of participants
2016-17	2	4	30
2015-16	2	2	30
2014-15	2	3	30

33. List the teaching methods adopted by the faculty for different programmes.
- Webinars/video conferences/ Multimedia based teaching
- Arranging guest lectures from alumni, academicians and industry personnel.
- Organizing industrial visits.
- Industry oriented training and internships.
- Encouraging the students to present papers at Seminars/Conferences by providing necessary expenses.
- Explore to e-books
- Using Internet to provide training.
- On floor teaching.
- Undergo training offered by Industry at the campus.
- Tutorial classes for slow learners
- Conducting certification programmes through IBM Center of Excellence, Microsoft Innovation Center and Infosys Campus Connect programme.

34.How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes(POs)/ Learning outcomes are defined by the department development committee and are in tune with the mission of the Information Technology Department.
- The PEOs & POs are modified after taking the opinion from stakeholders (*Students, Alumni, Industry, Faculty, Employer, Professional bodies and Parents*)**.**if required.
- Mapping course outcomes with POs
- Mapping course objectives with PEOs
- Outcome is monitored by assessing in following areas.
  - ➢ By observing academic progress (internal & external exams assessment)
  - ➢ By analyzing the % passed in competitive exams
  - ➢ Participation of students in extracurricular activities
  - ➢ Participation of faculty in various development programmes
  - ➢ By analyzing the records of placement & higher studies
- Program Educational Objectives (PEOs) of the UG in IT are established in the year 2013 and these address the following broad aspects.
  "What our graduates could do best to grow professionally as well personally"
  "How our graduates would approach problem solving, using what skills"
  "What values our graduates should have once soon after the completion of their course"

35. Highlight the participation of students and faculty in extension activities.

Highlight the participation of students:

Year	Co - Curricular activities		Extracurricular Activities Participation		Social Activities Participation
	Participation	**Prizes**	**Cultural events**	**Sports**	**NSS**
2016-17	9	1	10	5	4
2015-16	8	**2**	3	-	-
2014-15	24	7	15	-	10
2013-14	4	-	2	25	6

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016 -17	1	2	1
2015-16	0	2	0
2014-15	5	13	1
2013-14	4	4	5

36. Give details of "beyond syllabus scholarly activities" of the department.

- Conducting Industrial tours for 3rd year and final year B.Tech students every year.
- The Faculty of the department participates in various National and International conferences, Workshops to present their research work.
- Some of the Faculty members act as resource persons for conferences and guest lecture conducted by other organizations.
- The department conducts national conferences and student competitions regularly.
- The department organizes staff workshops and training programs on relevant topics pertaining to recent trends in the field.
- Research Guidance.
- Students of the department are allowed to attend various competitions in and around the college to present their papers, posters and designed projects.
- Conducting training classes for campus recruitment for final year students.

37. State whether the programme/ department is accredited/ graded by other agencies? if Yes, Give details. – NIL

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:

- Geographically located at just 3 hour drive to IT capital of India, Bangalore and Chennai Metro.
- Availability of competent faculty members with rich teaching experience.
- Motivated, committed and enthusiastic staff-members.
- Well developed laboratories with modern facilities.
- Enthusiasm and willingness from the student to learn.

Weaknesses

- High percentage of students is from rural areas.
- Mobility of the staff members.
- Lukewarm response from top MNCs for industrial visits and recruitments.
- Inadequate exposure of industry ready tools and technologies.
- R & D Activities in the nascent stage.

Opportunities:

- Department library with good number of books & magazines.
- Continuous internet facility for staff & students.
- Curriculum is designed in such a way that the students are brought closer to their core companies.
- Various training classes arranged to make the students for better careers.
- Faculties are allowed to upgrade their knowledge by attending various workshops, FDPs and conferences. Also the students are allowed for industrial visits to make themselves to expose to the industrial environment.

Challenges:

- Motivation of students posing a challenge as the student community is basically from rural back ground in respect of soft skills.
- National/International conferences/workshops to be organized.
- Students should be motivated so as to enhance their knowledge with new technologies and encourage them to appear for various competitive exams.
- Number of Ph.D holders in the department to be improved by motivating the existing faculty towards research work.
- A good number of students to be placed in various companies.

39. Future plans of the department.

- To improve the knowledge of the students & staff with new upcoming technologies.
- To develop the advanced laboratories for carrying out research & project work.
- To encourage the students to participate in more extracurricular activities.
- To get collaborated with more companies & to establish consultancy works.
- To make the faculty members enhance their research works.
- To improve the industry – institute interaction for providing more opportunities to students

Department of Automobile Engineering

1	Name of the department	Automobile Engineering		
2	Year of establishment	2014		
3	Courses/ Programmes and subject combinations offered	B.Tech: Automobile Engineering		
4	Number of teaching posts sanctioned and filled	12		08
5	Number of administrative / Technical staff	02 / 07		
6	Number of students. Give details course –wise (2015-16) B. Tech	M 05	F --	Total 05
7	Ratio of teacher to students	B.Tech 1:15		
8	No. teachers in academic bodies of other autonomous colleges and Universities	01		
9	Latest revision of the curriculum (year)	B.Tech : R-17		
10	Number of students passed in NET/SLET .(last 4 years)	-		
11	Success rate of students	NA		
12	Awards and recognition received by faculty (last 4 years)	-		
13	Faculty who attended Natl./Intl. seminars (last 4 years)	-		
	No. of seminars attended by the faculty National + Intl.	-		
14	Number of seminars organized (last 4 years) National + Intl.	-		
15	No. teachers engaged in consultancy and revenue generated	-		
16	Number of Ongoing projects and their total outlay	-		
17	Research projects completed during last 4 years & the outlay	-		
18	Number of Inventions / Patents	-		
19	Number of Ph.D. theses guided during the last four years	-		
20	Publications by faculty (last 4 years)	-		
21	Average citation index and impact factor of publications	-		
22	Number of books in the departmental library, if any	Books : 100, Titles : 36		
23	Number of computers	05		
24	Annual budget (excluding salary)	10 Lakhs		

Department of Management Studies

1	Name of the department	Management Studies		
2	Year of establishment	2009		
3	Courses/ Programmes and subject combinations offered	MBA		
4	Number of teaching posts sanctioned and filled	40		40
5	Number of administrative / Technical staff	02		02
6	Number of students. Give details course –wise (2015-16)	M	F	Total
	MBA	113	51	164
	Ph.D.	02	0	02
7	Ratio of teacher to students	1:15		
8	No. teachers in academic bodies of other autonomous colleges and Universities	NIL		
9	Latest revision of the curriculum (year)	R 2015		
10	Number of students passed in NET/SLET etc .(last 4 years)	NIL		
11	Success rate of students	94%		
12	Awards and recognition received by faculty (last 4 years)	NIL		
13	Faculty who attended Natl./Intl. seminars (last 4 years)	20		
	No. of seminars attended by the faculty National + Intl.	06		
14	Number of seminars organized (last 4 years) National + Intl.	NIL		
15	No. teachers engaged in consultancy and revenue generated	NIL		
16	Number of Ongoing projects and their total outlay	DST-CSRI project and the total amount : 15,00,000/-		
17	Research projects completed during last 4 years & the outlay	NIL		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	National : 22 International : 43		
21	Average citation index and impact factor of publications	1.1 and 3		
22	Number of books in the departmental library, if any	50		
23	Number of computers	07		
24	Annual budget (excluding salary)	Rs 15,00,000/-		

<div align="center">

DEPARTMENT OF MANAGEMENT STUDIES

</div>

1. Name of the Department & Year of establishment:

Name of the Department   : Department of Management Studies
Year of establishment   : 2009

2. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

Ph.D-   Management Studies.
PG - M.B.A→ Master of Business Administration
M.A.M→ Master of Applied Management
(Five years integrated course)
UG - B.M → Bachelor of Management

3. Interdisciplinary programmes and departments involved: NIL

4. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester System

5. Participation of the department in the courses offered by other departments:

S. No	Subject Code	Name of Subject	Sharing Department
1.	14AHS12 14AMB02	a) Managerial Economics and Financial Analysis b) Professional Ethics	CE
2.	14AHS12 14AMB02	a) Managerial Economics and Financial Analysis b) Professional Ethics	ME/ AE
3.	14AHS12 14AMB01 14AMB02	a) Managerial Economics and Financial Analysis b) Management Science c) Professional Ethics	EEE
4.	14AHS12 14AMB01 14AMB02	a) Managerial Economics and Financial Analysis b) Management Science c) Professional Ethics	ECE
5.	14AHS12 14AMB01 14AMB02	a) Managerial Economics and Financial Analysis b) Management Science c) Professional Ethics	CSE/ IT

6. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled
Professor	03	03
Associate Professors	06	06
Asst. Professors	31	31

7. Faculty profile with name, qualification, designation, area of specialization, Experience and research under guidance.

S.No.	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Awarded
1.	Dr.E.Lokanadha Reddy	Ph.D	Professor	Economics	17	-
2.	Mr.T. Raja Reddy	MBA	Associate Professor & HOD	Marketing	14	-
3.	Dr.N.Giri Babu	MBA, Ph. D	Associate Professor	Marketing & finance	13	-
4.	Dr.G.Bhaskar	MBA,M.Phil, Ph. D	Professor	Finance	28	-
5.	Prof. S. Padmanaban	B.E., MBA , M.Phil., (Ph.D)	Professor	Finance, Production	31	-
6.	Dr.C. Rajanikanth	MBA,MAHR, Ph.D	Assoc. Professor	Finance, Marketing	11	-
7.	Dr.M. Vidya Sagar	MBA,Ph.D	Assoc. Professor	HR	10	-
8.	Dr.R. Shanmugam	MBA,M.Phil ,Ph.D, NET Qualified	Associate Professor	Marketing, HR	18	-
9.	Dr.A. Babu Naidu	MBA, Ph.D	Associate Professor	HR, Finance	15+14=29 (Industry+ Teaching)	-
10.	Mr.L.Gopinath	MBA,MA,PG diploma in PMIR	Assistant Professor	HR	10	-
11.	Dr.B. Guna Sekhar	MA,M.Phil, Ph.D,SLET Qualified	Asst. Professor	Economics	9	-
12.	Mr.C. Suresh Kumar	MBA, B.Ed, (Ph.D)	Asst. Professor	Marketing, Finance	9	-
13.	Mr.K.Giribabu	MBA	Asst. Professor	Finance, HR	8	-
14.	Mr.A. Sreenivasulut	MBA	Asst. Professor	Finance	7	-
15.	Mr.M.Suresh	MBA,PGDIRPM	Asst. Professor	HR, Marketing	7	-
16.	MR.C. KiranKumar	MBA,(Ph.D)	Asst. Professor	HR, Marketing	9	-
17.	Mrs.M. Pragnashree	MBA	Assistant Professor	HR	4	-

18.	Mr.K. Srinivasan	M.Com., MBA	Assistant Professor	Marketing	11	-
19.	Mrs.M. Jalaja	MBA	Assistant Professor	HR, Marketing	10	-
20.	Mrs.T.Srilekha	MBA	Assistant Professor	HRM	5	-
21.	Mrs.K. Bindu Madhavi	M.Com	Assistant Professor	Finance	3	-
22.	Ms.A. Anthoniammal	MBA,M.Phil	Assistant Professor	HR,Finance	4	-
23.	Mrs.K.Lavanya	MBA, PGDCA	Assistant Professor	HR, Marketing	4	-
24.	Ms.R.Sandhya	*MBA, PhD*	Assistant professor	HR, Marketing	5	-
25.	Ms.S.Jaya Sree	*MBA, PhD*	Assistant professor	HR, Marketing	5	-
26.	Ms.A.Kavitha	*MBA, Ph.D*	Assistant professor	HR, Finance	8	-
27.	Mr.K.Vedadri	*MBA, Ph.D*	Assistant professor	Finance	10	-
28.	Mr.G. Tharaka Ramu	*MBA*	Assistant professor	Finance and Marketing	6	-
29.	Ms.V.Deepti	MBA	Assistant professor	HR	2	-
30.	Mr.K.Hari	MBA	Assistant professor	Marketing	3	-
31.	Ms.J.Meenashi	MBA	Assistant professor	HR, Marketing	2	-
32.	Ms.K.Vani Sree	MBA	Assistant professor	HR	2	-
33.	Ms.K.Yamini	MBA	Assistant professor	HR, Marketing	3	-
34.	Mr.G.Naresh	MBA	Assistant professor	Finance, Marketing	2	-
35.	Mr.M.Girish	MBA	Assistant professor	HR	2	-
36.	Mr.D.Siva Kumar	MBA	Assistant professor	HR	3	-
37.	Mr.P.V. Shiju Abraham	MBA	Assistant professor	Finance/Marketing	1	-

38.	Mr.P.Puneeth	MBA	Assistant professor	Finance/HR	1	-
39.	Mr.S.Sivasubra manian	MBA	Assistant professor	Marketing	1	-
40.	Mr.E. Balabhiram	MBA	Assistant professor	Marketing	1	-

8. Percentage of classes taken by temporary faculty – programme-wise information
10% to 15 %

9. Programme-wise Student Teacher Ratio:
MBA: - 15: 1
MAM: - 15: 1

10. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Details of Supporting Staff	Sanctioned	Filled
Office Assistant	01	01
Attender	01	01

11. Number of faculty with ongoing projects from

S.No.	Name & Department	Title of the project	Amount (Rs in Lakhs)	Funding agency
1.	Dr. G. Bhaskar Professor, Department of Management Studies	A Study on Psychological Attributes Relating to Social Networking use among the College Students of Andhra Pradesh.	Rs. 5,65,000/-	DST – Department of Science and Technology, New Delhi (Under the CSRI-Cognitive Science Initiative) (2016-18)

12. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.
DST – Department of Science and Technology, New Delhi (Under the CSRI-Cognitive Science Initiative) - Rs. 5, 65,000/-

13. Research facility / centre with
State recognition – JNTU – Ananthapuramu has recognized the department as a Research centre.

14. Publications:
∗Number of papers published in peer reviewed journals (national / international):
National: 22 & International: 43
- ∗Citation Index – range / average: **3**
∗SNIP: -
∗SJR: -
- ∗Impact Factor – range / average: **1.32 to 4.5976(Range)/1.05034(Average)**

15. Details of patents and income generated   -NIL-

16. Areas of consultancy and income generated

S.No	Financial Year	Project Title	Financial Agencies	Consultancy Amount in Lakhs
1.	2016-17	Designing Marketing plans for various MSME's at Chittoor	-	Free Consultancy

17. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs)

S. No	Faculty Name(s)	Title of the Workshop/short term Course	Venue	Dates
1	Dr.N.Giri Babu	Workshop on "Strength Based Development in Education"	Sri Venkateswara University Tirupati.	10th August 2014
		FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
2	Dr.G.Bhaskar	FDP- DERIVATIVES	TNAU- VELLORE	Feb 2nd & 3rd, 2013
		FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
		FDP – Challenges in Higher Education	VIT-B School, VIT University, Vellore14	March 10, 2013
3	Mr.S.Padmanaban	FDP-Entrepreneurship-Sponsored by DST	TBI, St.peter's University, Chennai-54	3-12-12 to 15-12-12 15 DAYS-PROG
4	Mr.T.Raja Reddy	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
6	Mr.C.Rajanikanth	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th 2013
7	Mr.C.Suresh Kumar	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
9	Mr.K.Giri babu	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
10	Mr.A.Sreenivasulu	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013
11	Mr.M.Suresh	FDP –Emerging Trends in Management Education	SVCET,Chittoor	16th -17th Nov 2013

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	127	121	239	248

- **Percentage of students who have done in-house projects including inter-departmental projects :**

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	-	-	-	5%

- **Percentage of students doing projects in collaboration with other universities / Industry / institute:**

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	100%	100%	100%	95%

19. Awards / recognitions received at the national and international level by
   Faculty   -NIL-
20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

S. No	Name of the Workshop/ Faculty Development Programme	Organized by
	2013-14	
1	Workshop on "Presentation Skills"	-
	Workshop on "Financial Education"	-
	2014-15	
2	Awareness on Stock Exchange Operations	Dr.Murthy
	Case Study presentation	Prof.C.G.S.Krshnamachari & Prof. Lalitha Ramakrishna
	2015-16	
3	Remuneration and Conveyance to Guest	Mr.Srinivas Uppala
	Department of Management Studies	Mr.Srinivas Uppala & Mr.J.Anantha Krishnan
	Workshop for MBA II year Students on "Research Methodology"	Dr.K.V.Ramananathan, Prof.Ramaiah Institute of Management Bangalore & Dr.A.G.Rangarajan, prof.Acharya Institute of Management Bangalore.

S. No	Name of the Workshop/ Faculty Development Programme	Organized by
	2016-2017	
	Guest Lecture on "Business Marketing"	Mr.Srinivas Uppala Vice President Sonata Software Pvt, Bangalore
	Guest Lecture on "Business Marketing"	Mr.Srinivas Uppala Vice President Sonata Software Pvt, Bangalore
	Guest Lecture on "What do you need to be an entrepreneur and how do entrepreneurs handle failure"	Renuka Aradhya N Management director Private cabs Pvt Ltd, Bangalore
	Guest Lecture on "Options strategies in derivatives market and Greek letters"	Dr. Srinivasulu Reddy, Professor, Department of Management studies, S.V.University, Tirupati.
	Guest Lecture on "Case study analysis and case writing"	Prof. Vijaya sarathy, (Rtd Professor, IIM, Bangalore) and Executive director, Dayananda Sagar University, Bangalore.
	Guest Lecture on "Stimulating Entrepreneurship and Seizing the opportunities in technology enabled Agri Business"	Dr. G.N.S. Reddy, Managing Director and Mr. Shashi Kumar, CEO, Akshayakalpa Farms and Foods Ltd.
	Guest Lecture on "Stimulating Entrepreneurship and Seizing the opportunities in technology enabled Agri Business"	Mr. Shashi Kumar, CEO, Akshayakalpa Farms and Foods Ltd
	Workshop on "Research Methodology"	Dr. K.V.Ramanathan, Professor, Ramaiah Institute of Management Bangalore
	Guest Lecture on "Human Resource Strategies in Corporate – A Practical solution for Budding Human Resource Managers"	Mr.J.Shreedhar, Senior Manager, and Karvy Computer share Pvt Ltd, Bangalore, India
	Guest Lecture on "HR related issues"	Mr. G.Ganesh, Chief Factory Manager, Coca Cola India Private Ltd
	Guest Lecture on "Case Analysis and Writing"	Prof. R. K. Vijaya Sarathy, Director & Senior Professor in Dayananda Sagar Business School, Bangalore

21. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Total Pass percentage
		Male	**Female**	
MBA (2013-14)	NA	76	46	100%
MBA (2014-15)	NA	82	33	97%
MBA (2015-16)	NA	162	82	97%
BM (2015-16)	NA	46	13	68%
MBA (2016-17)	NA			
BM (2016-17)	NA			

22. Diversity of Students

Academic Year	Programme (refer to question no. 4)	% of Student from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2013-2014	MBA	-	97	3	42
2014-2015	MBA	-	202	-	39
2015-2016	MBA	0.41%	83.20%	-	16.39%
2015-2016	BM	-	-	1.69%	98.31%
2016-2017	MBA	-	-	-	-
2016-2017	BM	-	-	1.69%	98.31%

23. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Academic Year	Competitive Exams	Cleared
2013-14		
NIL		
2014-15		
NIL		
2015-16		
NIL		
2016-17		
NIL		

24. Student progression

Student progression	Percentage against enrolled			
	2013-14	2014-15	2015-16	2016-17
UG to PG	-	-	-	-
PG to M.Phil.	-	-	-	-
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed On Campus selection and off campus selection	7	10	43	11
Entrepreneurs	-	1	4	1

25. Diversity of staff

Percentage of faculty who are graduates of the same university	12%
from other universities within the State	72%
from universities from other States from	16%
universities outside the country	-

26. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

The following Faculty Members obtained Ph.D degree-
Dr.R.Shanmugam, Dr.C.Rajini Kanth, Dr.A.Babu Naidu

27. Present details of departmental infrastructural facilities

a) Library:

Year	Books	Student Project reports	
		UG	**PG**
2015-2016	100	-	306
2014-2015	100	-	106

Internet facilities for staff and students: WI-FI, 70MBPS
- Facility is available for all Staff in the department with 07 PCs.
- Staff can utilize the facility at any time during the working hours of the college.
- E-library is also available.

b) Total number of class rooms   : 10
c) Class rooms with ICT facility   : 3
d) Students' laboratories   : Shared with CSE Department
e) Research laboratories   : NIL

28. Number of post graduate students getting financial assistance from the university.
- NIL-

29. Was any need assessment exercise undertaken before the development of new programme (s)? If so, highlight the methodology.
Yes

Department Staff committee periodically monitors the curriculum and actively involves in Curriculum development. This is accomplished as follows:
- Obtaining feedback from students, staff, parents and employers.
- Discussion in BOS which include members from industry, Universities and Alumni for syllabus formation.

30. Does the department obtain feedback from
a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
YES
For reviewing and upgrading the curriculum which will be useful for Students.

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
YES
At the end of each Semester feedback is obtained from the students. The feedback is analyzed and is given to the concerned faculty members for improvement and accepting more challenges.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?
YES

Feedback is obtained from alumni and employers and the same is considered during the revision of the curriculum.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name	Designation	Name of the Company/ Organization
1	Ms. P.Sireesha	Management Trainee Business HR	Amararaja Electronics Limited
2	Mr.D.Sreemannarayana	Processing Executive	Hinduja Global Service
3	A.Roopa	Executive Accountant	Emphasis
4	T.Vara Prasad	Assistant Manager	Standard Charted Bank
5	D SIREESHA	Financial analyst	IBM, Bangalore
6	G.M.Divya	General Accountant	Accenture, Chennai
7	Dodda Mohan Babu	Financial analyst	HCL, Chennai
8	Buddanna Vinod Kumar	Assistant Manager	Asian Paints, Bangalore
9	S Naveen	Financial analyst	TCS, Bangalore
10	B Mohan	Accountant	Flipkart, Bangalore

32. Give details of student enrichment programmes (special lectures / workshops / seminar) Involving external experts.

S.No.	Type of Student enrichment Programme
	2014-2015
1	Work shop on "Presentation Skills"
2	Work shop on " Financial Education"
3	K.Sreenivasan Marketing Strategies Coco Cola
4	Mr.Promod Reddy International Business Mr.K.Ajit Kumar Managing your Mind
5	Guest Lecture on "Balance Score Card"
6	Guest Lecture on "Emerging Technologies"
	2015-2016
1	Remuneration and Conveyance to Guest
2	Department of Management Studies
3	Workshop for MBA II year Students on "Research Methodology"
4	Guest Lecture on "Research Methodology"
5	Guest Lecture on "Goal Setting for MBA Students"
6	Guest Lecture on "Career Planning for MBA Students
7	Guest Lecture on "Cloud Technologies for Business"
8	Guest Lecture on "Project Management"

2016-2017	
1.	Guest Lecture on "Business Marketing"
2.	Guest Lecture on "Business Marketing"
3.	Guest Lecture on "What do you need to be an entrepreneur and how do entrepreneurs handle failure"
4.	Guest Lecture on "Options strategies in derivatives market and Greek letters"
5.	Guest Lecture on "Case study analysis and case writing"
6.	Guest Lecture on "Stimulating Entrepreneurship and Seizing the opportunities in technology enabled Agri Business"
7.	Guest Lecture on "Human Resource Strategies in Corporate – A Practical solution for Budding Human Resource Managers"
8.	Guest Lecture on "HR related issues"
9.	Guest Lecture on "Case Analysis and Writing" for MBA I year students

33. List the teaching methods adopted by the faculty for different programmes.

- Class Room Teaching
- Regular discussions in the class to make the lecture more impressive
- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in different areas such as Marketing, Entrepreneurship, Human Resource, Operations etc.
- Conducting seminars on advanced topics by expert members
- Guest lecturers from industries/HR/ Finance/ Marketing professionals and Entrepreneurs.
- Conducting Remedial classes for slow learners
- Conducting Industrial visits for getting practical exposure

34. How does the department ensure that programme objectives are constantly met and learning Outcomes are monitored?

YES

The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes(POs)/ Learning outcomes are defined by the department development committee and are in tune with the mission of Department. The PEOs & POs are modified after taking the opinion from stakeholders if required.

- The department has established a comprehensive assessment process to meet its Program Objectives constantly and monitor the learning Outcomes.
- Program Educational Objectives (PEOs) of the PG are established in the year 2015   and these address the following broad aspects.
  "What our graduates could do best"
  "How our graduates would approach problem solving, using what skills"
  "What values our graduates should have"

Monitoring Methods:
1. Continuous assessment through assignments
2. Mid/Internal Examinations
3. External Examinations / Semester end examinations
4. Student Counseling
5. Result Analysis
6. Mini / Major Project/ Consulting Work

35. Highlight the participation of students and faculty in extension activities.

Year	Curricular activities		Extracurricular activities participation		Social Activities Participation
	Participation	Prizes	Cultural events	Sports	NSS
2012-2013	3	3	-	-	-
2013-2014	15	4	0	1	4
2014-2015	12	4	0	1	4
2015-2016	45	12	0	1	-

36. Give details of "beyond syllabus scholarly activities" of the department.

- To encourage the students to participate in workshops, Seminars
- Conducting training classes for campus recruitment for final year Students.
- Counseling the slow learning and backlog students in order to improve their percentage.

37. State whether the programme/ department is accredited/ graded by other agencies? If yes, Give details.

- NO -

38. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Qualified, experienced and dedicated faculty.
- Active involvement of faculty in pursuing research.
- Good communication within the department.
- Learning communities being developed.
- Individual tutoring for students by faculty.
- High standards of instruction.
- Good infrastructure and well-equipped laboratory
- Support from management to participate in workshops/conference/seminar
- Eminent personalities in re advisory board and board of studies, who can guide the department in right way.
- Availability of high speed internet 24x7.
- Excellent multimedia Language Lab
- Involvement in co-curricular

Weaknesses

- Research and Consultancy activities to be improved

Opportunities

- Opportunity to achieve funded minor/major research projects;
- To attend conferences for professional development to stay up to date on technology and find out new teaching techniques.
- New possibilities for inter disciplinary research.
- To conduct the various workshops/seminars of national level in Mathematics

- It, being an Autonomous college, we design syllabus basing on needs of the students for employability.
- Teaching to foreign students
- Understanding the different cultural backgrounds
- Encouragement from the management in the form of awards and rewards

Challenges
- To train the students for best academic results
- To train the Students for more campus placements
- Motivation of students from rural back ground towards academic and soft skills

39. Future plans of the department

- To development the department, which will be unique in this area for academic and industrial needs
- Forging alliance with various research organizations & industry.
- To become nationally recognized center of excellence in the field of management
- To established consulting services & MOU with good company
- To collaborate with other leading universities
- To impart additional coaching to academically poor & below average students
- To organize the industry visits every year to fill the gap between curriculum & industry
- At least two paper published by each faculty member in a year.

Department of Computer Applications

1	Name of the department	Computer Applications		
2	Year of establishment	2004		
3	Courses/ Programmes and subject combinations offered	MCA		
4	Number of teaching posts sanctioned and filled	44	44	
5	Number of administrative / Technical staff	02		
6	Number of students. Give details course wise (2015-16) MCA	M	F	Total
		116	57	173
7	Ratio of teacher to students	1:15		
8	No. teachers in academic bodies of other autonomous colleges and Universities	NIL		
9	Latest revision of the curriculum (year)	2015		
10	Number of students passed in NET/SLET etc.(last 4years)	NIL		
11	Success rate of students	93.5		
12	Awards and recognition received by faculty (last 4years)	NIL		
13	Faculty who attended Natl./Intl. seminars (last 4 years)	05		
	No. of seminars attended by the faculty National + Intl.	10		
14	Number of seminars organized (last 4 years) National,Intl.	05		
15	No. teachers engaged in consultancy and revenue generated	NIL		
16	Number of Ongoing projects and their total outlay	NIL		
17	Research projects completed during last 4 years & the outlay	NIL		
18	Number of Inventions / Patents	NIL		
19	Number of Ph.D. theses guided during the last four years	NIL		
20	Publications by faculty (last 4 years)	30		
21	Average citation index and impact factor of publications	2.5		
22	Number of books in the departmental library, if any	103		
23	Number of computers	70		
24	Annual budget (excluding salary)	12 Lakhs		

DEPARTMENT OF COMPUTER APPLICATIONS

1. Name of the Department & its year of establishment:

Master of Computer Applications
Established in the year   :   2004

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

PG - Master of Computer Applications
UG – BCA

3. Interdisciplinary courses and departments involved:

Department : MBA

S.No	Subject Code	Interdisciplinary courses	Year and Semester
1.	15DMB01	Accounting and Financial Management	I-I MCA
2.	15NBM08	Accounting and Financial Management	I-II BCA
3.	15NBM19	Organizational Structure and Personnel Management	II-I BCA
4.	15NBM31	Organizational Behavior	III-I BCA

Department :HAS

S.No	Subject Code	Interdisciplinary courses	Year and Semester
1.	15DHS02	English Language Communication Skills	I-I MCA
2.	15DHS03	Probability and Statistics	I-I MCA
3.	15DHS10	Discrete Mathematics	I-II MCA
4.	15NHS02	Probability and Statistics	I-I BCA
5.	15NHS05	Environmental Science	I-I BCA
6.	15NHS11	English Language Communication Skills	I-II BCA
7.	15NHS17	Numerical Methods	II-I BCA

Department :ME

S.No	Subject Code	Interdisciplinary courses	Year and Semester
1.	15DME14	Operations Research	I-II MCA
2.	15NME24	Operations Research	II-II BCA

4. Annual/ semester/choice based credit system

Semester system ---- Choice based credit system

5. Participation of the department in the courses offered by other departments

Subjects Offered to MBA Department

S. No	Subject Code	Title
1	15CMB08	Introduction to Business Analytics
2	15CMB13	Management Information Systems
3	15CMC35	Managing E-Business
4	15CMC36	Business System Analysis and Design
5	15CMC37	Cyber Laws
6	15CMC38	Business Intelligence
7	15CMC55	Advanced Business Analytics
8	15CMC56	Software Project Management for Enterprise
9	15CMC57	Enterprise Resource Planning
10	15CMC58	Decision Support Systems
11	15CMB08	Introduction to Business Analytics

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	---	---
Associate Professors	04	04
Assistant Professors	40	40

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

S.No.	Name	Qualification	Designation	Specialization	Years of experience	No. Of Ph.d. Awarded
1.	N Sendhil Kumar	MCA,M Tech	Associate Professor	Computer Applications	16	-
2.	M Satish Kumar	MCA, M Phil, M Tech	Associate Professor	Computer Applications	10	-
3.	A M Rangaraj	MCA,M Tech	Associate Professor	Computer Applications	10	-
4.	R Hamsaveni	M Sc , M Phil	Assistant Professor	Computer Applications	15	-
5.	G Dhanasekar	MCA	Assistant Professor	Computer Applications	10	-
6.	R Devi	MCA, ME	Assistant Professor	Computer Applications	6	-
7.	T Ramathulasi	MCA,M Tech	Assistant Professor	Computer Applications	8	-

8.	M Nandakishore	MCA,M Tech	Assistant Professor	Computer Applications	5	-
9.	S Palani	MCA,M E(CSE)	Assistant Professor	Computer Applications	2	-
10.	S Shafi Ulla	MCA,(Ph D)	Assistant Professor	Computer Applications	7	-
11.	K Vanisree	MCA,Ph D	Assistant Professor	Computer Applications	7	-
12.	A M Ramya Priya	MCA	Assistant Professor	Computer Applications	8	-
13.	C B Joel Kishore	MCA,M Tech	Assistant Professor	Computer Applications	9	-
14.	J Jothi Lakshmi	MCA	Assistant Professor	Computer Applications	1	-
15.	M Madhan	MCA	Assistant Professor	Computer Applications	1	-
16.	K Vijayan	MCA	Assistant Professor	Computer Applications	1	--
17.	C Karthikeyan	MCA	Assistant Professor	Computer Applications	1	-
18.	R Pounraj	MCA	Assistant Professor	Computer Applications	1	-
19.	P Venkata Narasimha Reddy	MCA	Assistant Professor	Computer Applications	1	-
20.	T.Vanitha	MCA	Assistant Professor	Computer Applications	1	-
21.	G Priyanka	MCA	Assistant Professor	Computer Applications	1	-
22.	N Baby Suijatha	MCA	Assistant Professor	Computer Applications	6	-
23.	K R Aparna	MCA	Assistant Professor	Computer Applications	1	-
24.	D Dillibabu	MCA	Assistant Professor	Computer Applications	1	-
25.	E Sujith	MCA	Assistant Professor	Computer Applications	1	-
26.	G Arunkumar	MCA	Assistant Professor	Computer Applications	1	-
27.	G Sasi Kumar	MCA	Assistant Professor	Computer Applications	1	-
28.	M Archana	MCA	Assistant Professor	Computer Applications	1	-
29.	D Chittemma Yadav	MCA	Assistant Professor	Computer Applications	1	-
30.	A Sandya	MCA	Assistant Professor	Computer Applications	1	-

31.	D Praveen Kumar	MCA	Assistant Professor	Computer Applications	1	-
32.	P.Vishwanatha Reddy	MCA	Assistant Professor	Computer Applications	1	-
33.	N Balaji	MCA	Assistant Professor	Computer Applications	1	-
34.	K Latha	MCA	Assistant Professor	Computer Applications	1	-
35.	Y Prathiba	MCA	Assistant Professor	Computer Applications	1	-
36.	J Hema Chandra Reddy	MCA	Assistant Professor	Computer Applications	1	-
37.	M Dinesh	MCA	Assistant Professor	Computer Applications	1	-
38.	K.Balasubra maniam Raju	MCA	Assistant Professor	Computer Applications	1	-
39.	T.Charavathi	MCA	Assistant Professor	Computer Applications	1	-
40.	G.Gangadhar Krishna	MCA	Assistant Professor	Computer Applications	1	-
41.	T.Thanuja	MCA	Assistant Professor	Computer Applications	1	-
42.	P.Gowthami	MCA	Assistant Professor	Computer Applications	1	-
43.	V.Saritha	MCA	Assistant Professor	Computer Applications	1	-
44.	N.Nasrin	MCA	Assistant Professor	Computer Applications	1	-

8. Percentage of classes taken by temporary faculty – programme-wise information:

NIL

9. Programme-wise Student Teacher Ratio:

BCA : 15:1
MCA : 15:1

10. Number of academic support staff (technical) and administrative staff:

Staff Details	Sanctioned	Filled
Academic support staff (Technical)	01	01
Administrative staff	--	--

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received Mention names of funding agencies and grants received project-wise

-NIL-

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc ; total grants received:

-NIL-

13. Research facility / centre with

        NIL

14. Publications:

    Number of papers published in peer reviewed journals
    (National / international):   21/40

    (Details are furnished in Appendix: V)

15. Details of patents and income generated : **NIL**

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies:

S.No	Academic Year	National workshops / short term courses attended by the faculty
1	2016-17	04
2	2015-16	05
3	2014-15	04
4	2013-14	05

    (Details are furnished in Appendix – 27)

18. Student projects

Academic year	2013-14	2014-15	2015-16	2016-17
No.of student projects	53	116	91	56

Percentage of students who have done in-house projects including inter- departmental projects :

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	4	3	2	10

Percentage of students doing projects in collaboration with other universities / Industry / institute:

Academic year	2013-14	2014-15	2015-16	2016-17
% of student projects	96	97	98	90

19. Awards / recognitions received at the national and international level by

- ❖ Faculty: NIL
- ❖ Doctoral / post doctoral fellows: NIL
- ❖ Students: NIL

20. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any

    NIL

21. Student profile course-wise:

Name of the Course	Applications Received	Academic Year	Selected		Pass percentage	
			Male	Female	Male	Female
PG(MCA)	56	2016-17	28	28	100	96.4
	91	2015-16	47	44	91.49	100
	117	2014-15	68	49	85.29	100
	53	2013-14	30	23	100	100

22. Diversity of students

Name of the Course (refer question no 2)	% of students from the College	% of students from the State	% of students from other States	% of students From other countries
MCA	--	91.15%	0.88%	7.96%

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

-NIL-

24. Student progression:

Student progression	Percentage against enrolled			
	2013-14	2014-15	2015-16	2016-17
UG to PG	-NA-	-NA-	-NA-	-NA-
PG to M.Phil.	-NA-	-NA-	-NA-	-NA-
PG to Ph.D.	-NA-	-NA-	-NA-	-NA-
Ph.D. to Post-Doctoral	-NA-	-NA-	-NA-	-NA-
Employed On Campus selection and off campus selection	6	18	7	5
Entrepreneurs	-NA-	-NA-	-NA-	-NA-

25. Diversity of staff

Percentage of faculty who are graduates	
from the same parent university	77%
from other universities within the State	8%
from other universities from other States	15%

26. Number of faculty who were awarded Ph D , D Sc and D Litt during the assessment period:

- NIL

27. **Present details about infrastructural facilities**
    a) Library:
    No. of Titles   : 50
    No. of volumes   : 110
    b) Internet facilities for staff and students: WI-FI, 70MBPS
    c) Total number of class rooms   :   5
    d) Class rooms with ICT facility   :   5
    e) Students' laboratories   :

Lab	System Configuration	Number of Systems Available
Computer Center – Wing C	Intel Pentium® D 3.00 GHz, RAM 512MB, 80 GB HDD,HP 17 " TFT Monitor, Keyboard, Mouse	70
Computer Center – Wing D	Intel Pentium® D 3.00 GHz, RAM IGB,80 GB HDD, HP 17 " TFT Monitor, Keyboard, Mouse	70
Computer Center- Server Room	Infodot Server Intel® Xeon CPU 2.40GHZ, Hdd 40GB, RAM 1GB, Dell LCD 18.5inch DVD Writer Keyboard Mouse	01
	Sun Server Intel® Xeon 2.40GHZ, RAM 1GB,Hdd 80GB DVD combo, LCD 17inch keyboard mouse	01
	Wipro Server Intel® Xeon CPU 2.40GHZ, Hard disk 210GB (SCSI HDD 3), RAM 2GB, Dell LCD 18.5inch DVD writer keyboard mouse	01

  f) Research laboratories   : -**Nil-**

28. **Number of students of the department getting financial assistance from College:**
        NIL

29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology**
        YES
    The Departmental Staff committee periodically monitors the curriculum and actively takes part in curriculum development. The following observations are made
- Collecting feedback from the students, staff, alumni, employees & employers from the industry and software professionals.
- Discussion in Board of Studies meeting which includes the members from the other Universities, Industry and Alumni for updating the curriculum based on the needs of the industry.
- Planning to procure new equipment/software packages and tools for establishing new laboratories and conduct additional experiments beyond the syllabus

30. **Does the department obtain feedback from**

a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

- **Yes:** The department obtains feedback from the faculty periodically on curriculum, teaching, learning and evaluation to upgrade the curriculum. The HOD advises the faculty to improve the teaching –learning process.

b. **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

- **Yes:** The Head of department collects the feedback on faculty members from the students on curriculum, teaching - learning and evaluates and advices the faculty members to improve their performance.

c. **Alumni and employers on the programmes and what is the response of the department to the same?**

- **Yes:** The alumni meet is organized every year to collect the feedback from the alumni and stake holders; accordingly the quality of education is improved in the department. The audit courses on quantitative aptitude and reasoning and professional ethics are included in curriculum to improve communication skills and develop professionalism.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name	Organization	Designation	Mail id
1	Nowshad Basha	IBM	Senior Software Engineer	nowshad.basha.5@facebook.com
2	Shffi Baig	Accenture	Senior Software Engineer	shaffi.baig@facebook.com
3	Prasanth Chowdary	Accenture	System Analyst	prasanth.chowdary.33@facebook.com
4	N Uma Priaya	CTS	Project Associate	Umapriya.narendrababu@cognizent .com
5	Rabhajan	Oracle India Corporation Ltd	System Analyst	rahajan@facebook.com
6	Pavanani	CSC	Senior Software Engineer	Pavani667@gmail.com
7	Naga Santhoshi Lakshmi	Robert Bosch	Senior Software Engineer	ynslaxmi@facebook.com
8	Ranjini	ICICI Bank	Senior Clerk	Ranjini2010@gmail.com
9	M.Sravya	Wipro	Junior Programmer	Sravya43@gmail.com
10	K.Vinayak	Wipro	Junior Programmer	Vinayakk123@gmail.com

32. Give details of student enrichment programmes (special lectures/ workshops /seminar) with external experts

Guest Lectures / Workshops / Seminars / Training programmes organized

S.No	Academic Year	Number of Guest Lecturers
1	2016-17	1
2	2015-16	2
3	2014-15	1
4	2013-14	1

33. List the teaching methods adopted by the faculty for different programmes

- Glass Board Teaching
- Regular discussions in the class to make the lecture more interactive
- Poster Presentations by dividing the students into groups
- Assignment Tests
- Making students aware about NPTEL Lectures
- Quiz Programme
- Audio-visual presentation for theory and practical classes
- Mini projects (Individual and group based projects) in individual subjects
- Research oriented final year projects and Research paper publication in conference/seminars/journals
- Guest lectures are regularly arranged
- Remedial classes for slow learners/ Academically Lagging
- Microsoft Innovation Center programme for advanced learners
- Industrial visits are arranged

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- The Programme Educational Objectives (PEOs)/ Programme Objectives and Programme Outcomes(POs)/ Learning outcomes are defined by the department development committee and are in tune with the mission of the Information Technology Department
- The PEOs & POs are modified after taking the opinion from stakeholders (*Students, Alumni, Industry, Faculty, Employer, Professional bodies and Parents)* if required
- Mapping course outcomes with POs
- Mapping course objectives with PEOs
- Outcome is monitored by assessing in following areas
  - ➢ By observing academic progress (internal & external exams assessment)
  - ➢ By analyzing the % passed in competitive exams
  - ➢ Participation of students in extracurricular activities
  - ➢ Participation of faculty in various development programmes
  - ➢ By analyzing the records of placement & higher studies
- Program Educational Objectives (PEOs) of the MCA established in the year 2012 and these address the following broad aspects
  "What our graduates could do best to grow professionally as well personally"
  "How our graduates would approach problem solving, using what skills"
  "What values our graduates should have once soon after the completion of their course"
- Program Educational Objectives of the UG Information Technology are:

1. Entry – Level professional competency of discipline – specific principles and practices within the following areas of Master of Computer Applications: Software system development, computer hardware organization and architecture, programming language theory and application, Web Technology, DWM and UML
2. Ability to apply discrete and continuous mathematics, natural sciences, and engineering sciences to the disciplines of Information Technology, general engineering, and basic electrical engineering
3. Think independently, acquire knowledge, and continue their development as IT professionals
4. Apply scientific and engineering methodology to the design, implementation, analyses, and evaluation, of computer based system
5. Communicate effectively, (both 'oral & written'), and collaborate effectively in terms of group discussions
6. Prepare the students for the ethical, societal, and global issues associated with Information Technology

35. Highlight the participation of students and faculty in extension activities

Highlight the participation of students:

Year	Curricular activities		Extracurricular Activities Participation		Social Activities Participation
	Participation	Prizes	Cultural events	Sports	NSS
2016-17	10	04	06	-	40
2015-16	09	02	09	-	04
2014-15	04	01	04	-	03
2013-14	04	-	02	25	06

- Participation of students and faculty in SELESTA cultural fest organized by the college in the year 2012, 2013
- Participation of students in ITECHNOFEST a technical symposium 2012, 2013 organized by the college
- Industrial visit by 2nd & 3rd year students every year

Industrial training of students in the Academic Year 2016-2017

S.No	Name of the student	class	organization
1	Kapil Ghimire	III MCA	Robert Bosch

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016-17	7	15	6
2015-16	10	15	10
2014-15	10	5	7
2013-14	1	3	2

36. Give details of "beyond syllabus scholarly activities" of the department
- Conducting Industrial tours for final year students every year.
- The Faculty of the department participate in various National and International conferences, Workshops to present their research work.
- Some of the Faculty members act as resource persons for conferences and guest lecturers conducted by other organizations.
- The department conducts national conferences and student competitions regularly.
- The department organizes staff workshops and training programs on relevant topics pertaining to recent trends in the field.
- Research Guidance.
- Students of the department are allowed to attend various competitions in and around the college to present their papers, posters and designed projects.
- Conducting training classes for campus recruitment for final year students.

37. State whether the programme/ department is accredited/ graded by other agencies Give details   No

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:
- Motivated and enthusiastic faculty
- Modern laboratories
- Establishment of Center of Excellence for Big Data Analytical and Cloud computing
- Active training programmes through IBM Centre of Excellence, Infosys Campus   Connect, Microsoft Innovation Centre
- Active Students
- MOU with Microsoft, Infosys, IBM, Sun Microsystems, Wipro.
- Effective and active participation of staff and students in technical and non-technical events intra and inter College

Weaknesses:
- Inadequate PhD faculty
- Publication of papers by the faculty in reputed journals
- Participation and success rate of students in the competitive examination

Opportunities:
- More number of faculty could pursue Ph.D.
- Industry oriented training and project implementation could be taken
- Staff and students could be motivated to undertake consultancy assignments to neighboring industries

Challenges:
- To improve the pass percentage of the students
- To scout for meritorious students
- To attract the best talents in the education sector

- To improve R & D activity
- To collaborate more with the industry towards final year project implementation and training
- To aid in effective and more number of campus placements

39. Future plans of the department.

- To interact with more industrial research centers for collaborative research.
- To inculcate inter disciplinary research organizations to get research grants.
- To provide additional Entrepreneurship skills to the students.
- To extend helping hands to under privileged in neighboring areas.
- To interact extensively with alumni to start collaborative research

Department of Humanities and Sciences

1	Name of the department	Humanities and Sciences	
2	Year of establishment	1998	
3	Courses/ Programmes and subject combinations offered	NIL	
4	Number of teaching posts sanctioned and filled	68	64
5	Number of administrative / Technical staff	04	03
6	Number of students. Give details course wise B.Tech M.Tech Ph.D.	Not Applicable	
7	Ratio of teacher to students	1:15	
8	No. teachers in academic bodies of other autonomous colleges and Universities	01	
9	Latest revision of the curriculum (year)	2014,2015	
10	Number of students passed in NET/SLET etc. (last 4 years)	NIL	
11	Success rate of students	-	
12	Awards and recognition received by faculty (last 4 years)	NIL	
13	Faculty who attended Natl./Intl. seminars (last 4 years)	10	
	No. of seminars attended by the faculty National + Intl.	25	
14	Number of seminars organized (last 4 years) National + Intl.	01	
15	No. teachers engaged in consultancy and revenue generated	NIL	
16	Number of Ongoing projects and their total outlay	01	
17	Research projects completed during last 4 years & the outlay	NIL	
18	Number of Inventions / Patents	NIL	
19	Number of Ph.D. theses guided during the last four years	NIL	
20	Publications by faculty (last 4 years)	37	
21	Average citation index and impact factor of publications	-	
22	Number of books in the departmental library, if any	75	
23	Number of computers	01	
24	Annual budget (excluding salary)	10Lakhs	

DEPARTMENT OF HUMANITIES AND SCIENCES

1. **Name of the Department & its year of establishment**
   Department of Humanities and Sciences
   Established in the Year   1998

2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters., Integrated Ph.D., etc.) :   NIL**

3. **Interdisciplinary courses and departments involved: NA**

4. **Annual / semester / choice based credit system**
   - U.G.: B.Tech
   - P.G. : M.Tech, MBA, MCA

5. **Participation of the Department in the courses offered by other departments**
   2014-15

S.No	Subject Code	Name of Subject	Sharing Department
1.	14AHS01	Technical English-I	CE, EEE, ME, ECE, CSE,IT ETE & AE
2.	14AHS13	Technical English-II	CE, EEE, ME, ECE, CSE,IT ETE & AE
3.	14AHS02	Engineering Mathematics – I	CE, EEE, ME, ECE, CSE,IT ETE & AE
4.	14AHS06	Engineering Mathematics – II	CE, EEE, ME, ECE, CSE,IT ETE & AE
5.	14AHS11	Engineering Mathematics – III	CE, EEE, ME, ECE, CSE,IT ETE & AE
6.	14AHS10	Probability & Statistics	CE, ME, CSE & IT
7.	14AHS08	Statistics & Numerical methods in civil Engineering	CE
8.	14AHS04	Engineering Physics	CE, EEE, ME, ECE, CSE, IT, ETE & AE
9.	14AHS03	Engineering Chemistry	CE, EEE, ME, ECE, CSE,IT ETE & AE
10.	14AHS05	Environmental Science	CE, EEE, ME, ECE, CSE,IT ETE & AE
11.	14AHS07	Technical English Lab-I	CE, EEE, ME, ECE, CSE,IT ETE & AE
12.	14AHS14	Technical English Lab-II	CE, EEE, ME, ECE, CSE,IT ETE & AE
13.	14AHS09	Engineering Physics Lab	CE, EEE, ME, ECE, CSE,IT ETE & AE
14.	14AHS08	Engineering Chemistry Lab	CE, EEE, ME, ECE, CSE,IT ETE & AE

MCA/M.Tech				
1.	15NHS02	Probability & Statistics		MCA
2.	15DHS10	Discrete Mathematics		MCA
3.	15DHS02	English Language Communication Skills		MCA
4.	15DHS07	English Language Communication Skills Lab		MCA
5.	15BST01	Higher Engineering Mathematics		CIVIL

6. Number of teaching posts sanctioned and filled (Professors / Associate Professors / Assistant Professors)

Designation	Sanctioned	Filled
Professors	04	02
Associate Professors	09	06
Assistant Professors	63	63

7. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt. / Ph.D. / M.Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	Years of Experience	No. of Ph.D. Awarded
1	Dr. K.Komala	M.Sc.;M.Phil.; Ph.D.	Associate Professor	Mathematics	**13**	--
2	Dr.Prabakar Reddy	M.A., Ph.D	Professor	English	26	--
3	Dr. P. Venkateswarlu	M.Sc., Ph.D	Professor	Chemistry	33	--
4	Dr. R.S.Sreenivasan	M.Sc., Ph.D	Associate Professor	Mathematics	1	--
5	Dr.B.Sivaram	M.Sc., Ph.D	Associate Professor	Mathematics	9	--
6	Dr.V.L. Nirmal Bharghavi	M.Sc.;M.Phil.;Ph.D.	Associate Professor	Chemistry	12	--
7	Dr. K.Sangamithra	M.Sc.;M.Phil.;Ph.D.	Associate Professor	Environmental Science	07	--
8	Dr. B. Bhaskar Kumar	M.Sc., Ph.D	Associate Professor	Physics	3	--
9	Dr. B. Chandra Babu	M.Sc., Ph.D	Associate Professor	Chemistry	3	--
10	E.Prabakarrao	M.A., M.Phil., M.S	Associate Professor	English	9	--
11	T.S.Veeramani	M.A., M.Phil.	Associate Professor	English	7	--

12	B.Sesha Reddy	M.Sc.,M.Tech	Associate Professor	Physics	15	--
13	V.Muhillarasi	M.Sc	Associate Professor	Mathematics	12	--
14	A.Bhuvaneswari	M.Sc.,M.Sc., M.Phil.,B.Ed	Associate Professor	Environmental Science	11	--
15	Dr.B.Vengala Rao	M.Sc.,M.Ed., Ph.D	Associate Professor	Physics	3	--
16	Dr. Satish Kumar.V	M.Sc., Ph.D P.hD	Associate Professor	Statistics	5	--
17	Dr. P.Sreenivasulu	M.Sc.,B.Ed., M.Phil., Ph.D	Associate Professor	Mathematics	6	--
18	Dr. M. Varalakshmi	M.Sc., Ph.D	Associate Professor	Chemistry	2	--
19	Dr. P.Mohan Krishna	M.Sc.,B.Ed., M.Phil., Ph.D	Associate Professor	Mathematics	1	--
20	Dr. A. Tamil Elakkiya	M.Sc.,B.Ed., Ph.D	Associate Professor	Mathematics	1	--
21	P.Krishnamurthy Reddy	M.A	Assistant Professor	English	10	--
22	B.Subba Reddy	M.Sc., (Ph.D)	Assistant Professor	Mathematics	12	--
23	T.R.Madhu Priya	M.Sc.,M.Tech ., (Ph.D)	Assistant Professor	Physics	11	--
24	V.Vidya	M.Sc.,B.Ed	Assistant Professor	Chemistry	6	--
25	C.K.Selvi	M.Sc., (Ph.D)	Assistant Professor	Mathematics	6	--
26	G.Basava Kumar	M.Sc.,B.Ed., M.Phil., (Ph.D)	Assistant Professor	Mathematics	11	--
27	C.Yuvakishore	M.Sc	Assistant Professor	Physics	3	--
28	N.Padamavathi	M.A., M.Phil., B.Ed.	Assistant Professor	English	6	--
29	A.Lokanaiki	M.A.,M.Ed	Assistant Professor	English	6	--
30	P.Vinod Kumar	M.Sc.,B.Ed., (Ph.D)	Assistant Professor	Chemistry	5	--
31	V.Narashimaha Reddy	M.A.,M.Phil	Assistant Professor	English	1	--
32	R.Prasad	M.A.,B.L., M.Phil	Assistant Professor	English	1	--
33	J.Hemalatha	M.A	Assistant Professor	English	5	--
34	D.Deepa	M.Sc	Assistant Professor	Chemistry	6	--
35	P.Girija	M.Sc	Assistant Professor	Physics	6	--

36	S.Kavitha	M.A	Assistant Professor	English	5	--
37	M.Rupa	M.Sc	Assistant Professor	Chemistry	3	--
38	I.Hymavathi	M.Sc.,B.Ed	Assistant Professor	Physics	2	--
39	B.Dilli Babu Reddy	M.A	Assistant Professor	Economics	4	--
40	B.Dharani	M.A., M.Ed.,M.Phil.	Assistant Professor	English	3	--
41	T.krishna Reddy	M.Sc.,(Ph.D)	Assistant Professor	Chemistry	5	--
42	V.Eswar	M.Sc	Assistant Professor	Physics	6	--
43	G.Raghu	M.Sc	Assistant Professor	Physics	5	--
44	S.Naveen Kumar	M.Sc	Assistant Professor	Chemistry	5	--
45	P.Evangelina	M.A	Assistant Professor	English	2	--
46	B.Sunitha	M.Sc	Assistant Professor	Mathematics	1	--
47	A.Mohan Rami Reddy	M.Sc.,(Ph.D)	Assistant Professor	Mathematics	8	--
48	T.R.Manoj	M.Sc	Assistant Professor	Physics	8	--
49	T.R.Mahesh	M.Sc	Assistant Professor	Physics	6	--
50	P.V.Ajay kumar	M.Sc	Assistant Professor	Chemistry	4	--
51	B.Pankaja Rani	M.Sc	Assistant Professor	Environmental Science	1	--
52	D.Rajesh	M.Sc	Assistant Professor	Mathematics	1	--
53	P.Divya Deepa	B.Tech., M.Sc	Assistant Professor	Environmental Science	3	--
54	M.Manjunath Reddy	M.Sc	Assistant Professor	Chemistry	1	--
55	P.Hanumanthu	M.Sc	Assistant Professor	Chemistry	2	--
56	C. Nagarjuna	M.Sc	Assistant Professor	Physics	2	--
57	E.Pappaiah	M.Sc	Assistant Professor	Physics	2	--
58	B.Chandra Babu	M.Sc	Assistant Professor	Mathematics	3	--
59	M.Bhaskar Reddy	M.Sc	Assistant Professor	Chemistry	2	--

60	C.K.Kamesh	M.Sc	Assistant Professor	Chemistry	2	--
61	V.Sujatha	M.A	Assistant Professor	English	1	--
62	A.Kullayyappa	M.Sc	Assistant Professor	Mathematics	3	--
63	V.Muni Reddy	M.Sc	Assistant Professor	Physics	2	--
64	G.Prathap	M.Sc.,B.Ed	Assistant Professor	Physics	2	--
65	C.Siva Kumari	M.Sc	Assistant Professor	Physics	2	--
66	G.Neeraja Devi	M.Sc	Assistant Professor	Chemistry	1	--
67	S.K.Srinivasan	M.A	Assistant Professor	English	1	--
68	S.Roshini	M.Sc	Assistant Professor	Economics	1	--
69	N.Sravani	M.Sc	Assistant Professor	Chemistry	1	--
70	P.Surekha	M.Sc	Assistant Professor	Chemistry	1	--
71	R.Yugandhar	M.Sc	Assistant Professor	Physics	1	--
72	Dr.N.Saraschandra	M.Sc.,Ph.D	Assistant Professor	Chemistry	7	--
73	P.Bhavana	M.Sc	Assistant Professor	Mathematics	3	--
74	K.Naveen kumar	M.Sc ;Ph.D	Assistant Professor	Physics	5	--
75	S.Prassana Kumar	M.Sc	Assistant Professor	Chemistry	2	--
76	B.Nagaraju	M.Sc	Assistant Professor	Chemistry	2	--

8. Percentage of classes taken by temporary faculty - programme – wise information:
   NIL

9. Programme – wise Student and Teacher Ratio
   - B. Tech: 15:1
   - M.Tech: 06:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Academic/Administrative Staff	Sanctioned	Filled
Technical staff	04	03
Administrative staff	01	01

11. Number of faculty with ongoing projects from (a) National (b) International funding agencies and (c) Total grants received. Mention names of funding agencies and grants received project-wise:

S.No	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In Lakhs	Status of the Project (completed / ongoing)
1	An Investigation for a Potential Single-Phased Emission Tunable Nano phosphors for White Light Emitting Diode Applications	Young Scientists – SERB-DST – Engineering Sciences (Fast track scheme)	Dr. G. Bhaskar Kumar	29 Lakhs	Ongoing (2014-17)

12. Departmental projects funded by DST-FIST; DBT; ICSSR etc., ; total grants received:

S.No.	Title of the R&D Project or Research Grant	Sanctioning Agency, and Date of Sanction	Name of the Principal and Co Investigators	Sanctioned Amount Rs. In Lakhs	Status of the Project (completed / on going)
1	An Investigation for a Potential Single-Phased Emission Tunable Nano phosphors for White Light Emitting Diode Applications	Young Scientists – SERB-DST – Engineering Sciences (Fast track scheme)	Dr. G. Bhaskar Kumar	29 Lakhs	On going (2014-17)

13. Research facility / centre with
- State recognition : Applied for Research centre (Physics)
- National recognition: **NIL**
- International recognition : **NIL**

14. Publications

No. of Publications 2013-2017

Academic year	International	National	Total
2013-14	99	151	250
2014-15	27	02	29
2015-16	09	01	10

| 2016-17 | --- | --- | --- |

15. Details of patents and income generated : NIL
16. Areas of consultancy and income generated : NIL
17. Faculty recharging strategies

Academic Year	Number of Seminars / Conferences / Workshops Attended		Total
	National	**International**	
2013-14	15	04	19
2014-15	29	06	35
2015-16	48	09	57
2016-17	24	04	28

18. Student projects
- Percentage of students who have done in-house projects including inter-departmental: **NA**
- Percentage of students doing projects in collaboration with industries / institutes : **NA**

19. Awards / recognitions received at the national and international level by Faculty : Nil

20. Seminars/Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any :   01

List of Conferences/ Workshops/FDP Conducted By the Department:

S. No.	Name of the Workshop / FDP	Workshop Date
1	Recent Trends in Applied Sciences and Humanities	18th – 19th Nov. 2016
2.	Train The Trainee	16th – 21st June, 2016
3.	Role Play	24th – 25th Sep. 2016

21. Student profile course-wise: NA

22. Diversity of students: NA

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NA

24. Student progression: NA

25. Diversity of Staff

Percentage of faculty who are graduates	
of the same university	**---**
from other universities within the State	**85.29%**

| from universities from other States from | 14.71% |
| universities outside the country | 0.00% |

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : NIL

27. Present details about infrastructural facilities.
   a) Library:
   - Department Library has a collection of **100 Titles & 166 Volumes**.
   - College Library has a collection of **759 Titles & 2054 Volumes**

   b) Internet facilities for staff and students: **WI-FI, 70MBPS**
   - Facility is available for all Staff in the department with 21 PCs.
   - Staff can utilize the facility at any time during the working hours of the college.
   - e-library is also available
   c) Total number of class rooms   **:** 15
   d) Class rooms with ICT facility   **:** 15

28. Number of students of the department getting financial assistance from College:
                                            NA

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: **NA**

30. Does the department obtain feedback from
   c. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
   - **Yes:** The required changes in the curriculum of the subjects are received from the subject experts of different departments.
   - These changes are discussed in the ensuing Board of studies and are incorporated in the subjects..
   b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
   - **Yes:** Feedbacks are collected from the students regularly regarding the performance of faculty.
   - Accordingly the faculty is instructed to improve.
   c. Alumni and employers on the programmes and what is the response of the   department to the same?   **No**

31. List the distinguished alumni of the Department (maximum 10): NA

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. NA

33. List the teaching methods adopted by the faculty for different programmes.
   - Class room teaching, Black-board, LCD
   - Remedial Classes for slow learners,

➢ Tutorial Classes for every week
➢ Interaction in the class to make the lecture more impressive
➢ Audio-visual presentation for theory and practical classes

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- ➢ Regular feedbacks and follow up
- ➢ Regular assessment of students through assignments & internal examinations
- ➢ Analyzing the results of internals & external exams
- ➢ Through class room teaching.
- ➢ Conducting student seminars.

Monitoring Methods

1. Continuous assessment through assignments
2. Mid/Internal Examinations
3. External Examinations / Semester end examinations
4. Student Counseling
5. Result Analysis

35. Highlight the participation of students and faculty in extension activities:

1. Student Seminars, Technical Quiz, Group Discussion and Event Exhibition.
2. Student awareness programmes.
3. Expert lecturers from R&D organizations/power sectors/other institutions.
4. Student technical symposium, Faculty development programs, national and international workshops/ conferences.

Highlight the participation of students: NA

1. Participation of students and faculty in SELESTA cultural fest organized by the college in the year 2012, 2013,2014 & 2015.
2. Participation of students in **i-techno fest** technical paper presentation 2012, 2013,2014 & 2015 organized by the college.

Faculty in extension activities:

Year	No. of workshops/ Seminars/ STTPs attended	No. of papers published in Journals	No. of papers presented in conferences
2016-17	National :24 International :04	01	National :16 International 02:
2015-16	National :48 International :09	15	National :01 International :02
2014-15	National :29 International :06	14	National :08 International :03
2013-14	National :16 International :04	12	National :07 International :02

36. Give details of "beyond syllabus scholarly activities" of the department.
1. Organizing Students Seminar / Workshop / Conferences.
2. Conducting Industrial Visits for Students to get practical knowledge.
3. Participation of students in various intercollegiate / interuniversity / interstate / Competitions.
4. Research work carried out by the faculty members.

37. State whether the programme/department is accredited/graded by other agencies. Give details:

YES

Recognized as research centre by JNTUA, Ananthapuramu.

38. Detail any five strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:
➢ Qualified, experienced and dedicated faculty.
➢ Active involvement of faculty in pursuing research.
➢ Good communication within the department.
➢ Learning communities being developed.
➢ Individual tutoring for students by faculty.
➢ High standards of instruction.
➢ Good infrastructure and well-equipped laboratory
➢ Support from management to participate in workshops/conference/seminar
➢ Eminent personalities in re advisory board and board of studies, who can guide the department in right way.
➢ Availability of high speed internet 24x7.
➢ Excellent multimedia Language Lab
➢ Involvement in co-curricular activities

Weaknesses:
➢ Lack of representation in many evaluation panels.
➢ Lack of doctorates/post doctorates in the department
➢ Shortage of permanent staff members
➢ R & D activities to be improved

Opportunities:
➢ Opportunity to achieve funded minor/major research projects;
➢ To attend conferences for professional development to stay up to date on technology and find out new teaching techniques.
➢ New possibilities for inter disciplinary research.
➢ To conduct the various workshops/seminars of national level in Mathematics
➢ It, being an Autonomous college, we design syllabus based on needs of the students for employability.
➢ Teaching to foreign students
➢ Understanding the different cultural backgrounds
➢ Encouragement from the management in the form of awards and rewards

Challenges:

- Attracting good faculty to strengthen the department.
- Student attitudes toward Mathematics
- Lack of student dedication
- Lack of Inter departmental cooperation in performing the duties in time and properly.
- To bridge the gap between the college course and the industry
- To increase the communicative ability based on subject and linguistic command
- To develop managerial and technical skill with leadership qualities
- Teaching Economics to the students who don't have economic background
- Balancing both teaching and research activities

39. Future plans of the departments:

- To promote research interest among the faculty.
- To achieve 100% pass in the coming years
- To extend the internet facility to each individual faculty.
- To provide a Personal Computer to each faculty with MAT LAB, and MATHEMATICA software.
- To apply for Major and Minor Research Projects to the funding agencies such as UGC, DST and AICTE.
- To apply for a Research Centre for Mathematics with an affiliation to Universities.
- To organize International / National conferences periodically
- Making Engineers to develop the mathematical thinking and applying it to solve complex engineering problems, designing mathematical modeling for systems involving global level technology
- To strive to provide excellent teaching, research, and service to the university community and to the world in the application of mathematics to other disciplines as mathematical background is essential for each & every subject in this world
- The department would like to have a Mathematics Club to promote more mathematical knowledge applicable to Engineering & Technology among the students
- Working as a vibrant and model department of excellence in imparting quality education in the areas of various domains of Mathematics
- Establishing the research cell
- At least one technical/ peer reviewed paper publication by each faculty member in a year.

SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Accredited by NBA, New Delhi & NAAC, Bengaluru
Affiliated to JNTUA, Ananthapuramu
Recognized by UGC under 12(B) & 2(f)
Approved by AICTE, New Delhi

R.V.S. Nagar, Chittoor – 517 127 (A.P) – INDIA
Website: www.svcetedu.org
E-mail: info@svcetedu.org