

# INSTITUTIONAL ACCREDITATION

## SELF STUDY REPORT

Submitted to



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)**  
An Autonomous Institution of the University Grants Commission  
P.O. Box No.1075, Nagarbhavi  
Bangalore - 560072

by



**BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE**

(Accredited by NBA, New De hi, Approved by AICTE, New De hi, Affiliated to JNTUK, Kakinada)

Batlapalem, Amalapuram-533201, East Godavari District, Andhra Pradesh,

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# PART A

# PREFACE



## PREFACE

**Bonam Venkata Chalamayya Institute of Technology & Science** is founded by Late Sri Bonam Venkata Chalamayya in 2002 under the aegis of Bonam Venkata Chalamayya Educational Society, Edarapalli of which he was the founder President.

The college is located amid verdant lush green surroundings in Batlapalem - Amalpuram , East Godavari District, Andhra Pradesh. The Village is well connected by road to all important cities in and around the state.

The college has good infrastructure and qualified and experienced faculty, well supported by competent technical supporting and administrative staff.

All the eligible UG Engineering Programmes - CSE, EEE & ECE have been accorded the status of accreditation by National Board of Accreditation (NBA), New Delhi for two years with effect from 08-02-2014.

The college has been ranked by “Competition Success Review” magazine and given graded AA by “Careers 360” magazine among the private engineering colleges in A.P in 2014.

The college is regarded by the public as one of the Best Private Engineering Colleges in the State of Andhra Pradesh.

With these credentials, the college is presenting its application to the National Assessment and Accreditation Council ( NACC), Bangalore for the accord of accreditation status.

# **PART B**

# **PROFILE OF THE INSTITUTE**

## Profile of the Affiliated /Constituent College

## 1. Name and address of the college:

Name: BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE  
 Address: Batlapalem, Indupalli post, Amalapuram(Mandal), East Godavari  
 District, Andhra Pradesh, Pincode: 533221

## 2. For communication:

Designation	Name	Telephone with STD code	Mobile	FAX	E-mail
Principal	Dr. G.M.V. Prasad	O: 08856-235489 R: 08856-235656	9396735489	08856-235489	principal.bvts@bvcgroup.in
Vice Principal	Dr. M.C.S. Madan	O: 08856-235416 R: 9290992447	9348137172	08856-235489	madangreen@rediffmail.com
Steering Committee Co-ordinator	Prof. T V Janardha Rao	O: 08856 -250045 R: 08856 -237094	9490124094, 9705479889	08856 -235489	dean.admissions@bvcgroup.in

## 2. Status of the Institution :

Affiliated College

☒

Constituent College

☐

Any other (specify)

☐

## 3. Type of Institution:

## a. By Gender

i. For Men

☐

ii. For Women

☐

iii. Co-Education

☒

## b. By shift

i. Regular

☒

ii. Day

☐

iii. Evening

☐

## 4. Is it a recognized minority institution?

Yes

☐

No

☒

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

NIL

## 5. Source of funding:

Government

☐

Grant-in-aid	-
Self-financing	✓
Any other	-

6. a. Date of establishment of the college: 06/06/2002 (dd/mm/yyyy)

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

JNTUK, Kakinada, East Godavari District, Andhra Pradesh

c. Details of UGC recognition:

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

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

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

Under Section/clause	Recognition/Approval details Institution/Department/ Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
F.No.-South Central/1-2013838342/2014/EOA	AICTE	10-06-2014	1 YEAR	Annexed as - I

7. 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 ☒

8. Is the college recognized

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

Yes ☐

No ☒

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

b. For its performance by any other governmental agency?

9. Yes ☒

No ☐

If yes, Name of the agency National Board of Accreditation, New Delhi

Date of recognition: 08/02/2014(dd/mm/yyyy) F.No 11-174/2012/NBA

## ANNEXURE - II

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

Location *	Rural
Campus area in Acres	25.94
Built up area in sq. mts.	22869

(\* 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: Yes
- Sports facilities
  - play ground -Yes-
  - swimming pool -No
  - gymnasium -Yes-
- Hostel
  - i) Boys' hostel -Yes-
    - (a) Number of hostels - 01
    - (b) Number of inmates - 18
    - (c) Facilities (mention available facilities) - Well furnished rooms with fan and electricity, Internet, Gym, and Indoor sports
  - ii) Girls' hostel -Yes-
    - (a) Number of hostels - 01
    - (b) Number of inmates -53
    - (c) Facilities (mention available facilities) - Well furnished rooms with fan and electricity, Internet, Gym, and Indoor sports
  - iii) Working women's hostel -No-
    - (a) Number of inmates Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise) - NO-
- Cafeteria -- -YES-
- Health centre - -YES-

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

Health centre staff -

Qualified doctor Full time ☐ Part-time ☒

Qualified Nurse      Full time ☒ Part-time ☐

- Facilities like banking, post office, book shops    -Yes-
- Transport facilities to cater to the needs of students and staff  
-YES-
- Animal house  
-No-
- Biological waste disposal  
-YES-
- Generator or other facility for management/regulation of electricity and voltage  
-YES-
- Solid waste management facility  
-YES-
- Waste water management  
-YES-
- Water harvesting  
-YES-

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

2014-15

Sl. No.	Program me Level	Name of the Programme/ Course	Durat ion	Entry Quali ficatio n	Mediu m of instruc tion	Sanctio ned/ap proved Student strengt h	No. of student s admitte d	%
1	UG B.Tech	Civil Engineering	4	10+2	English	60	58	96.67
2		Electrical & Electronics Engg.	4	10+2	English	120	100	83.33
3		Mechanical Engineering	4	10+2	English	60	57	95.00
4		Electronics & Communication Engg	4	10+2	English	120	120	100.00
5		Computer Science and Engineering	4	10+2	English	120	119	99.17
6	PG M.Tech, MBA & MCA	PS	2	B.Tech / MCA / Msc	English	18	Admiss ions in Progre ss	--
7		VLSI	2		English	18		--
8		CSE	2		English	18		--
9		CAD/CAM	2		English	18		--

10		Master of Computer Applications	3	Degree	English	120	42	35.00
11		Master of Business Administration	2	Degree	English	120	94	78.33

12. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many?

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	7
-----	-------------------------------------	----	--------------------------	--------	---

14. 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.)

Particulars	UG	PG	Research
Engineering	5	6	-NIL-

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

a. annual system	<input type="text" value="-"/>
b. semester system	<input type="text" value="11"/>
c. trimester system	<input type="text" value="-"/>

16. Number of Programmes with

- i. Choice Based Credit System : No
- ii. Inter/Multidisciplinary Approach : 11
- iii. Any other ( specify and provide details) : No

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

Yes  No ☒

If yes, NA

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)

and number of batches that completed the programme

b. NCTE recognition details (if applicable) NO

Notification No.: .....

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

Validity:.....

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

Yes ☐No ☒

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

Yes ☐No ☒

If yes, NA

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)

and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.: .....

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

Validity:.....

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

Yes ☐No ☒

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

17. 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 <i>Recruited</i>	09	01	17	06	75	54	40	25	26	04

\*M-Male \*F-Female

20. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	06	0	0	0	0	0	06
M.Phil.	0	0	03	01	0	0	04
PG	03	01	14	05	46	33	102
UG	0	0	0	0	29	21	50

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

-NIL-

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

Categories	2014-15		2013-14		2012-13		2011-12	
	Male	Female	Male	Female	Male	Female	Male	Female



SC	37	46	57	39	49	27	11	9
ST	0	1	1	0	1	0	0	0
OBC	84	91	93	91	83	51	57	35
General	132	199	137	228	126	156	145	81
Others	-	-	-	-	-	-	-	-

\*M.Tech admissions in progress for current Academic Year

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

Type of students	UG	PG	Total
Students from the same state where the college is located	455	139	594
Students from other states of India	---	---	-
NRI students	---	---	-
Foreign students	---	---	-
Total	455	139	594

\*M.Tech admissions in progress for current Academic Year

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

UG  PG

(ii) Unit Cost of Education

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

(a) including the salary component

(b) excluding the salary component

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

Yes  No ☒

If yes, NA

a) Is it a registered centre for offering distance education programmes of Another University

Yes  No ☒

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

c) Number of programmes offered

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

Yes  No ☒

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

29. Is the college applying for Accreditation : YES

Program	Course	Faculty : Student Ratio
B.Tech	EEE	1:15
	ECE	1:15
	CSE	1:15
	CE	1:15
	ME	1:15
M.Tech	PS	1:12
	VLSI	1:12
	CAD / CAM	1:12
	CSE	1:12
MBA	MBA	1:19
MCA	MCA	1:19

30.

Cycle 1

Cycle 2

Cycle 3

Cycle 4



Re-Assessment:



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

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

Cycle 1: ..... (dd/mm/yyyy) Accreditation Outcome/Result..... Cycle 2:

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

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

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

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

33. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

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

IQAC .....05/03/2013..... (dd/mm/yyyy)

35. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

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

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

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

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

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

All eligible UG - B.Tech Courses are Accredited by National Board of Accreditation, New Delhi in February 2014.

# **PART C**

## **CRITERIA-WISE EVALAUATION REPORT**

## CRITERION I: CURRICULAR ASPECTS

### 1.1 Curriculum Planning and Implementation

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

➤ VISION

To be center of excellence in education and research producing global leaders in science, technology and management.

➤ MISSION

To develop high quality technical education and personnel with sound technical and managerial skills, innovative research capabilities and exemplary professional conduct to lead and use technology for the progress of mankind with the highest ethical values as their inner strength.

➤ Quality Policy

Bonam Venkata Chalamayya Institute of Technology and Science imparts quality education by adopting the system of quality assurance enabling continued improvements in the teaching-learning processes to enhance students' skills and talents for their exemplary contribution to the Society, the Nation and the World.

➤ Goals :

Short term goals

- To achieve academic excellence by getting 90 - 100% pass in the University Examinations.
- To have a good record of reputed companies visiting and offering jobs for our students at campus and achieve 80% placements.
- To get Quality Assurance through NAAC Accreditation for the institution by 2014.

- To inculcate qualities of integrity, honesty, loyalty and patriotism among students.
- To foster harmonious and cardinal relationship among the management, faculty, staff and students for their respective growth and for establishing congenial academic environment in the college.

#### Long term goals

- To become the preferred college of choice for students who do well in EAMCET and be listed among top 25 colleges in AP.
- To achieve 100% results and 100% placements continuously.
- To evolve as centre par excellence by under taking national and internationally acknowledged research and development works.
- To evolve as an autonomous and deemed institution.

#### Communication to Stakeholders:

The Governing Body, College Management Committee and College Academic Committee are three main important bodies of the institution. The frequent meetings are held which plan programmes and discuss key issues in tune with the vision and mission of the institution. Decision taken in the College Management Committee and College Academic Committee meetings are communicated properly to the entire staff and students by displaying notices on the notice board and by reading out circulars in the class rooms. The following criterion is followed to communicate the vision, mission and objectives of the college to the stakeholders:

- The mission, vision and quality policy of the college are displayed at all prominent places in the college.
- It is communicated to the students through college prospectus, Newsletter, Handbook and also orally during the induction program.
- The vision, mission and quality policy of the college are also placed in the college website.

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

- The college scrupulously develops action plans for effective implementation of the curriculum.
- At the outset, the College Academic Committee of the college conducts frequent meetings with the Heads of the departments and staff members to come out with various strategies for effective implementation of the curriculum.
- All faculty members prepare course files for each subject and develop Laboratory Manuals for all labs and these are periodically audited and modified with new developments in the field of technology. All efforts are made to maintain the quality sustenance in curriculum delivery.

#### CONTENTS OF COURSE FILE

##### PART-I

- ✓ Syllabus
- ✓ Course Objectives, Course Outcomes
- ✓ Mapping Onto PEO& PO
- ✓ Model Lesson Plan
- ✓ Lecture Notes
- ✓ OHP/LCD Sheets/CDs
- ✓ University Question Papers
- ✓ Internal Question Papers With Key
- ✓ Assignment Topics
- ✓ Tutorial Sheets
- ✓ Unit Wise - Question Bank
- ✓ Gapes & Plans For Add - On Programs
- ✓ Topics Beyond Syllabus - References
- ✓ Result Analysis, Remedial/Corrective Action
- ✓ Learning Outcome Assessment, Mapping Onto PO

## PART - II

- ✓ Lesson Plan, Time Table
- ✓ Teacher Log Book/Attendance Register
- ✓ Daily Delivery Recording
- ✓ Continuous Evaluation - Marks (Tests, Assignments etc)
- ✓ Sample Answer Sheets (Of Test Papers)
- ✓ Sample Assignment Sheets
- ✓ Record Of Tutorial Classes
- ✓ Record Of Remedial Classes
- ✓ Makeup Tests
- ✓ Guest Lecturers Conducted
- ✓ Details Of Add - On Programs
  - A detailed lecture schedule and lecture notes are prepared in all the subjects by the faculty members concerned and frequent departmental meetings are conducted to ensure effective curriculum delivery as per lecture schedules.
  - Department faculty members are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions and also arranging workshops, seminars, industrial visits apart from regular/traditional teaching methods. Faculty are advised to prescribe the method of instruction delivery for each topic at the time of preparing the lecture schedules.
  - Depending on the lecture schedules prepared by the faculty, suitable number of periods are allotted in the class time tables to see that the curriculum delivery is finished within the instruction period given by the affiliating university.
  - The college follows scrupulously the academic calendar of affiliating university for instruction delivery. Besides, it also prepares its own academic calendar incorporating the various activities of the college and also individual departments.
  - Frequent review meetings are conducted at the department level



and also at the college level to assess whether the activities are being conducted as per the academic calendar.

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

- The University conducts workshops to the faculty of affiliated colleges, whenever it introduces new curriculum.
- All the departments are equipped with the following resources to promote better teaching:

Resources : Internet, LCD, OHP

- The departments also conduct workshops / refresher courses on latest topics and encourage the faculty to participate in those workshops. Further, the college also deputed faculty members to various workshops held at other institutions in this regard.
- Academic leave (on duty) is granted to all those faculty attending workshops/seminars and also bears the expenditures incurred towards registration fee, traveling and boarding.
- The College also arranges lectures on research methodologies by eminent academicians to promote research activities in the departments and also to enrich their delivery of curriculum incorporating research aspects of the subjects.
- The College library procures text books suggested by the faculty members and also subscribes to various journals and technical magazines to provide effective tool for the instruction delivery. Lectures of eminent professors on various subjects will be procured for the library and makes them available in the central and department libraries for the use of faculty.
- The advanced Labs like Power Systems, Design Patterns, Mobile Computing, VLSI and Embedded Systems are setup in the college and latest equipment is procured in various labs of the departments to

promote research among the faculty members and also to strengthen the curriculum delivery by way of conducting practicals.

- The library and computer centers are kept open from 8:00 am to 8:00 pm to facilitate the staff member to prepare and update the course contents and also subscribes to a large number of journals for usage by the faculty.

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

- The faculty members design suitable experiments to conduct in the laboratory related to the curricular subjects to make the students to understand the concepts easily.
- The departments conduct workshops on latest technologies related to the curricular subjects by tying up with the industry.
- Frequent industrial visits to nearby industries are arranged to provide practical exposure to the students on the subjects of curriculum.
- Bridge and add-on courses are conducted wherever necessary to see that the students follow the curricular subjects without any difficulty.
- The departmental associations conduct group discussions and technical quiz programmes to effectively implant the knowledge in students minds.
- Students are also encouraged to give presentations on specific topics of the subjects to motivate them for higher studies.
- College provides Video Lectures delivered by eminent Professors from IITs, NITs in its library and encourages the students to listen to these lectures for better understanding of the subjects. Further, the library subscribes for “NPTEL” Learning ware modules which supply easy to learn material to students.

- The college also organizes expert lectures on various subjects by inviting faculty from various fields to share their knowledge.
- Remedial classes are conducted for slow learners in every subjects to bring them on par with the other students.

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

- The departments have Departmental Advisory Committees (DAC) comprising the eminent educationist/industrialist as members. The suggestions of these committees are incorporated in the operationalisation of the curriculum.
- MOUs are signed between the departments and related industries/research organization for effective transfer of technical knowledge and know how.

S. No	Collaborated Industry/ Company Name	Nature of MOU
1.	Institute of Electronic Governance JKC, AP Govt. HYDEARABAD	<ul style="list-style-type: none"> <li>- Training on soft skills and Technical skills</li> <li>- Placement Consulting</li> <li>- Student Certification training on JAVA, ORACLE &amp; Auto-CAD etc.</li> </ul>
2.	INFOSYS CAMPUS CONNECT-HYDERABAD DC	<ul style="list-style-type: none"> <li>- Soft Skills Training and Technical skills Training</li> </ul>
3.	TREWPORT TECHNO CONSULTING PVT LTD-BANGALORE	<ul style="list-style-type: none"> <li>- Internship and Placement</li> </ul>
4.	Singularity Software Solutions-HYDERABAD	<ul style="list-style-type: none"> <li>- Internship and Placement</li> </ul>
5.	Talent Sprint -HYDERABAD	<ul style="list-style-type: none"> <li>- Finishing School for final Year students</li> <li>- Training on Employability skills</li> </ul>
6.	COCUBES-NEW DELHI	<ul style="list-style-type: none"> <li>- Training and Job Consulting</li> </ul>
7.	Brigh Tex Bio-Photonics - HYDERABAD	<ul style="list-style-type: none"> <li>- Internship and students placement</li> <li>- Supporting R&amp;D activity for Faculty on Digital Image Processing and Artificial Intelligence</li> </ul>
8.	Naresh Technologies Hydearabad	<ul style="list-style-type: none"> <li>- Mini and Major Projects</li> </ul>

9.	ORAWAVES InfoTech Pvt Ltd	- Training on Mobile APPS - Knowledge sharing on developing mobile apps for Blackberry phones.
10.	Purple Leap - Bangalore	- Training on soft skills
11.	MONSTER INDIA Pvt Ltd	- Training and Job Consulting
12.	KREST technologies HYDEARABAD	- Training on communication skills - Mini and Major Projects
13.	START Consulting pvt Ltd	- Training on soft skills
14.	NICCO VENTURES	- Training and Job Consulting
15.	SAMASRA Technologies	- Projects training on VLSI
16.	YASH Technologies	- Internship and Placement
17.	Stanford English Academy	- Training
18.	CTC, Hyderabad	- Technology & Project Training
19.	360 degrees, Hyderabad	- Project training on MAT Lab & Embedded systems
20.	Prolific Systems, Vijayawada	- Project Training on PLC & Automation
21.	Corporate Learning, Vizag	- Soft skills training

- Workshops / Lectures are arranged by tying up with the industries / research organization on the latest curricular subjects.
- The departments take the help of Alumni Association and Training & Placement cell to maintain professional relations with the representatives of industry. The HR managers of various companies are invited to the college campus to interact with the students and faculty.
- The students of various departments of the college are taken for industrial visits from time to time to keep them abreast of the latest developments in the industry.
- The faculty members are encouraged to submit research proposals to various Government research organizations/public and private sectors to receive the research grants and promote research activities in the departments.
- The college is a member of various professional bodies such as ISTE, CSI, IETE, IEEE etc. and organizes workshops in association with these bodies on latest curriculum subjects.

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

- Taking into consideration the suggestions of the students, faculty and other stakeholders through feedback and also Department Advisory Committees (DAC), the college makes its suggestions to the respective board of studies of the University for the consideration for inclusion in the curriculum.

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

Since the college is not an autonomous body to design its own curriculum and has to implement the curriculum given by the affiliating university, it introduces innovative academic programmes in the curriculum to strengthen the technical knowledge of the students. A few of such initiatives are:

- Conduct of Soft skills and Infosys foundation programme through Infosys Campus Connect.
- Suitable content is designed in a few subjects wherever necessary to bridge the gaps in the curriculum.
- Special lectures are arranged by external experts on the latest ongoing topics beyond the curriculum.

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

The institution has formed communication channels among all the stakeholders to ensure that objectives of the curriculum are achieved in

the course of implementation. The achievements of stated objectives of the curriculum are ensured by:

- Taking feedback from students on course outcomes.
- Taking student feedback on faculty and content delivery.
- Taking exit feedback from outgoing students on the curriculum and its implementation.
- Obtaining feedback from the employers on the ability of the graduates to perform the required tasks in the industry.

## 1.2 Academic Flexibility

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

Keeping in mind the growing needs at state, national and global level, the Institution offers the following certificate/skill development courses:

- In association with Infosys, Hyderabad, the departments of CSE, IT & MCA conduct training programmes to II & III B.Tech and II & III MCA students to impart IT Industry specific knowledge under “Infosys Campus Connect Programme” to update their skill-set and enhance their employability.
- The college established English Language Communication Skills (ELCS) lab which provides Infosys Campus Connect soft skills training.
  - The time-table provides Specific hours for Library
  - Internet
  - Counseling
  - Seminar
  - Sports

- Campus Recruitment Training
- Additional Laboratory practice
- Remedial & makeup
- Tutorial

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

*NO, the institute does not offer such programmes*

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

- Range of Core / Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

**Skill development:**

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

**Academic mobility:**

- For providing a platform for training of students in practical environment, to enrich their knowledge about industrial environment and improve the scope and chances of students for better employment, the college has signed MOUs with JKC Hyderabad, INFOSYS Campus Connect, BTBP, Hyd, Monster India Pvt Ltd., Standford English Academyc etc.
- Frequent Personality development programmes are conducted to students by eminent motivators and Industry experts.

#### Progression to higher studies:

- In house GATE coaching classes by both internal and external subject experts are conducted by each department on regular basis.
- Innovative / creative ideas of the students are transformed into technology through UNISYS, BTBP, Mahajan Engineering Pvt.Ltd., and so on.

#### Improved potential for employability:

- To improve the potential for employability, the college is arranging systematic and continuous pre-placement training programmes and frequent mock tests to the students from pre-final year onwards by expert trainees from external training agencies like Corporate Learning, Hyderabad and Globarena Technologies, Hyderabad.
- The institute arranges conduct of tests by external agencies like AMCAT, NASSCOM and Cocubes and provides the platform for placements in reputed companies through these tests.

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

Yes, The college offers the following programs. All the programs offered by the college are self-financed only. All these programs are approved by the AICTE, New Delhi and affiliating University JNTUK, Kakinada.



S. No	Department	Programme offered	Level UG/PG/Diploma
1	Civil Engineering	B.Tech DCE	UG Diploma
2	Electrical & Electronics Engineering	B.Tech M.Tech (Power Systems) DEEE	UG PG Diploma
3	Mechanical Engg.	B.Tech M.Tech (CAD/CAM) DME	UG PG Diploma
4	Electronics & Communication Engineering	B.Tech M.Tech (VLSI) DECE	UG PG Diploma
5	Computer Science & Engineering	B.Tech M.Tech (Computer Science and Engg.) DCME	UG PG Diploma
6	MBA	Master of Business Administration	PG
7	MCA	Master of Computer Science	PG

**1. Programme:**

1. All UG - B.Tech Courses

2. All PG - M.Tech Courses

3. All Diploma Courses

4. MBA

5. MCA

**2. Admissions:**

70 % Admissions are carried under convener quota as per G.O.Ms.No.59, Higher Education (EC-2) Dept., dated 13- 07-2009 based on merit in Common Entrance Test (EAMCET/ICET/PGCET) and 30% of the seats are allotted under management quota based on the merit of Intermediate examination.

**3. Curriculum:**

The curriculum is designed by the Jawaharlal Nehru Technological University Kakinada, Kakinada and implemented by the College

through the well prepared patterns of instructions. Teaching aids like LCD projectors, OHP, Computer and audio equipments are frequently used for effective planning, implementation and delivery of the curriculum. Latest revision of curriculum is in 2013.

**4. Fee Structure:** As fixed by Admissions and Fee Regulatory Committee (AFRC) of Government of Andhra Pradesh.

**5. Teachers' Qualifications:** Post Graduation / Ph.D in Maths & Sciences, Post Graduation / Ph.D in Engineering & Technology, Under Graduation in Engineering & Technology, MBA and MCA

#### Scale of Pay

**6. Salary:** Assistant Professor : Rs.8000 - 275 - 13500  
Associate Professor : Rs.12000 - 420 - 18300  
Professor : Rs.16400 - 450 - 20900 - 500 - 22400

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

Yes,

- To promote Entrepreneurship spirit among the student community, the college established Entrepreneurship Development cell (EDC).
- To develop and upgrade the technology in the fields of Mobile apps for Black berry students were trained by ORAWAVES InfoTech Pvt Ltd, for R&D projects in Digital Image Processing students and faculty were trained

by BTBP and for VLSI projects students were trained by SAMASRA Technologies.

**Value added Courses:**

Organization	Nature of Collaboration
360 degrees, Hyderabad	- Technical Skills enhancement on MATLAB & Embedded systems
CTC, Hyderabad	- Technical Skills enhancement on Android applications
Prolific Systems,Vijayawada	- Technical Skills enhancement on PLC and Automation
Krest Technologies Hyd	- Technical Skills enhancement on MATLAB
Naresh Technologies, Hyd	- Technical Skills enhancement on Embedded Systems
Coign Technologies,Hyd	- Technical Skills enhancement on Advancements in Cloud computing with .net technology
CTC, Hyderabad	- Technical Skills enhancement on Web works

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

*NO, the University does not provide such flexibility*

### 1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are

integrated?

To integrate the academic programmes and Institution's goals, the following initiatives are taken to supplement the University's curriculum:

- All faculty members identify the gaps in the curriculum and include topics to bridge the gaps.
- Guest lectures, Seminars, Workshops, Training programmes and industrial visits are arranged to create awareness on the current demands of industry
- Assignments are given on all the subjects in addition to arranging group discussions, written/oral tests, quizzes, role plays, etc.
- The College gives impetus on Spoken English classes to inculcate good communication skills among students.
- Educational tours are organized to develop interpersonal Relationships and to create awareness about the rich heritage and Culture of our country.
- N.S.S. is an additional facility which inculcates the social responsibilities and community orientation amongst the students.
- Various academic competitions are conducted for all round development of the students.
- Various short term programmes are prepared by the college to supplement the curriculum provided by the University to enhance employability.
- The Library is well stocked with books, journals, back volumes, e-books And e-journals.
- A library hour within the class time table is provided to encourage library usage by students.
- The Library is kept open from 8:00 AM to 8:00 PM from Monday to Saturday and 8:00AM to 12:30PM on Sundays and public holidays.
- Additional experiments, Design experiments and open ended experiments

were introduced in labs beyond University prescribed experiments

- Students were guided to take-up mini-projects.

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

- The college adheres to the syllabus designed by JNTUK but while delivering this syllabus content to the students, our faculty enrich it with their own expertise and experience so that the students also gain employable qualities that enable them get jobs in this highly competitive world.
- The training and placement cell of the college regularly interacts with the HR managers of companies and collects first hand information about the demands and expectations of the corporate sector regarding skill set of students. These demands of the companies are then communicated to the feedback committee which in turn formulates add on courses and extra classes which are then conducted to make up the deficiencies in the students to make them employable.
- The institution enriched and organized the curriculum by supplementing it with extra content so that the students are benefited in the best possible manner.
- Special training and tailor made orientation programmes are conducted to enable the students to achieve the global standards. OHP and LCD Projectors have been used for effective instructional delivery.
- The students are encouraged to take up mini projects and main projects related to the real time problems. If necessary students are sent to industries or research organizations to collect the data, do the analysis and suggest probable solutions.
- Project Work, Mini Project, Seminar and Comprehensive Viva-Voce are made compulsory in the final semester of the programme so that the students would acquire skills to solve problems independently.

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

- Girls and boys participate in various co-curricular activities such as paper presentations, organization of paper contests, group discussions, technical quiz programmes, etc. Both boys and girls are made members of various academic, co-curricular and extracurricular activities.
- Women Redressal Cell is established in the college to look into the problems of girl students and lady staff members.
- Awareness workshops are conducted on human rights, climate change and gender equivalence.
- Subjects on Environmental Studies and Morals & Ethics are introduced in the curriculum to create awareness on environmental issues and build up moral and ethical values among the student community.
- ICT is embedded in the teaching learning process for effective delivery of curriculum.
- The NSS unit of the college organizes clean and green programs in nearby villages to bring awareness among general public and also takes their assistance in tree plantation and keeping surroundings clean.
- Awareness programs are organized on diseases like Swine flu, Typhoid etc.
- Lectures by outside experts are arranged to induct Ethical values among students.

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

students?

➤ **Moral and ethical values**

- A separate subject on “Moral and Ethical Values” is introduced in curriculum by the affiliating University, which is dealt by senior teachers.
- Special lectures are arranged by renowned persons to instill moral and ethical values among students.

➤ **Employable and life skills**

- Institute conducts the programs on stress management and life skills to ensure holistic development of students.
- The NSS Unit of the college involves the students in social service activities by arranging special camps in nearby villages and towns.
- Several programmes on employable skills are conducted right from the second year level to improve the technical & soft skills of the students.
- The institute gives due importance to the co-curricular & extra- curricular activities and organizes every year State level technical, cultural and Games & Sports festival for three days to develop interpersonal and decision making skills.
- Teachers day, Engineers day celebrations are grandly organized by staff and students to highlight the importance of teacher-student relationship and the role of engineers in nation building.
- The EDC cell of the college organizes awareness programmes on Entrepreneurship and Intellectual Property Rights.

➤ **Better career options**

- Realizing the importance of use of computers in solving engineering problems, courses on computer languages and applications are introduced in the curriculum by

the affiliating University. This enhances the capability of students to fit into any type of Industry.

- Training and Placement Cell interacts continuously with employers and identifies the new areas of knowledge in demand and new career options available and train the students to enhance employability.
- Community orientation
  - The college NSS team regularly organizes social camps in surrounding areas and villages to create awareness among the public community on various social, moral, ethical principles and ways of life.
  - NSS unit of the college has adopted a school in nearby Ambedkar Nagar and provides required help to school children to pursue their education.

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

- The exit feedback is taken on all aspects including curriculum and training programmes. The views of the students on curriculum are well received and the relevant suggestions are communicated to the affiliating university.
- The views of the students on training programmes arranged by the departments and training and placement cell are taken and accordingly improvements are made in these programmes wherever necessary.
- Feedback from the employers is also taken to assess the capability of our students to carryout the works in the industry and based on the opinion of industry, new programmes are introduced in the curriculum to suit the requirements of the industry.
- Institute offers suitable projects and enriches the curriculum using the feedback.



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

- The training and placement cell conducts tests on their training programmes to assess the effectiveness of training.
- Feedback is taken on all quality enrichment programmes at the end and suitable modifications are effected wherever necessary.

#### Evaluation

- The impact of quality enrichment programmes is assessed by analyzing the examination results and placements.
- Feedback from stakeholders like parents, industries, University experts also used for evaluation.
- Quality Assurance Cell is established in the institution to evaluate the quality of enrichment programmes besides curriculum.
- The college has been consistently improving the quality of teaching by arranging pedagogical training to its faculty, and to further motivate them to Research & Development (R&D).

## 1.4 Feedback System

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

- As an affiliating college of JNTUK-Kakinada, the college actively participates in the design and development of curriculum by communicating the suggestions made by the board of studies of different departments to the university.
- Faculty members regularly attend workshops and seminars on revision of curriculum and offer their suggestions to enrich the curriculum.

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

YES.

- Feedback is obtained from the outgoing students on curriculum and worthy suggestions is communicated to the University for Curriculum Enrichment.
- The feedback is also used internally to enrich the content and also fill the gaps in the curriculum in the form of extra content.
- Students representative meetings are organized almost every month to get feedback from the students.
- Alumni meets are organized to obtain their views on curriculum and training and recommend their suggestions to the University for necessary modification in the curriculum.
- Interactive sessions between the college officials and parents are regularly conducted to invite their suggestions with regard to curriculum and the training offered by the institute.
- Based on the suggestions received from the knowledgeable parents, internal meetings are conducted to identify the gaps in the curriculum and ways of enriching the curriculum by adding extra content or conducting training programmes.
- University places the proposed course structure and syllabus on university website and invites the suggestions / comments of the faculty / departments on the curriculum.
- The suggestions / comments of the faculty are communicated to the affiliating University through the members of Board of Studies of the university.
- Additional laboratory hours are provided to conduct experiments beyond the syllabus to enrich the practical knowledge of the students.
- The Library resources are updated whenever curriculum changes are made and the required equipment is procured to meet the needs.

#### 1.4.3 How many new programmes/courses were introduced by the

institution during the last four years? What was the rationale for introducing new courses/programmes?) Any other relevant information regarding curricular aspects which the college would like to include.

The college introduced four Post Graduate programs, two Under Graduate programmes and two Diploma programmes during the last four years. The details are given below:

Year	UG/PG	Course	Duration
2012-13	UG	B.Tech - Civil Engineering	4 years
		B.Tech - Mechanical Engineering	4 years
	PG	M.Tech - Power Systems	2 years
		M.Tech - VLSI	2 years
2014-15	PG	M.Tech - CSE	2 years
		M.Tech - CAD/CAM	2 years
	Diploma	DCE	3 years
		DME	3 years

(a) Justification for introducing new M.Tech, B.Tech. and Diploma programmes

- Due to dearth of qualified faculty in engineering colleges, AICTE has been taking steps to increase number of postgraduates recently. There has been a lot of demand for post graduate courses in different specializations of Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science Engineering, a very few colleges in this State are offering M.Tech Power Systems, VLSI, CSE and CAD/CAM. Further, the Government policy of promoting Research and Development in the country enhanced the scope for PG education. In view of the above, it was intended to start new PG courses.
- There is a dearth of B.Tech Civil & Mechanical Engineering graduates in the State. Only a few Engineering Colleges were offering B.Tech Civil and Mechanical Engineering courses. This has made the college to start B.Tech Civil and Mechanical Engineering courses in 2012-13.

## CRITERION II: TEACHING - LEARNING AND EVALUATION

### 2.1 Student Enrollment and Profile

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

The College follows the guidelines given by Andhra Pradesh State Council of Higher Education (APSCHE), Government of Andhra Pradesh in the admission process.

The publicity to create awareness about the institute and its academic activities is achieved through the following ways:

##### ➤ Advertisement in regional / national dailies

The college gives advertisements in national and regional English and Telugu and newspapers for publicity about the college.

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

##### ➤ Brochure & Handbook

The college publishes brochure and handbook which highlight the vision, mission and quality policy of the college, code of conduct, university regulations, courses offered, quality and details of the teaching staff, library, sports and games, laboratory and other infrastructural facilities. The college also publishes The Quest, a quarterly news letter.





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

- **ENGINEERING:** This institute is offering 5 UG, 6 PG, 5 Diploma courses. As per AP State Council of Higher Education (APSCHE) norms 70% students of UG and PG programmes, 100% Students of Diploma are admitted through centralized admissions organized by the government (EAMCET for UG and GATE/PGECET for M.Tech). The remaining 30% students (B-category, i.e. Management/NRI) are admitted by the institution. Advertisement is given by the institution in the popular regional news papers calling for applications for B-category seats. Application form for B- category seats is made available in the college website and can be downloaded from the website. Merit list is prepared from the applications received, placed in the college website and notice boards. 20% of the seats for lateral entry admissions for diploma holders into second year are made by the convener, E-CET.
- **MCA & MBA:** This institute is offering two PG programmes in MCA & MBA. As per APSCHE norms 70% of seats are filled through centralized admissions organized by the convener, ICET. The remaining 30% B- category seats are filled by the institution following the same guidelines as per B-category admissions into B.Tech.

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

- i) A-Category (Convener Quota) admissions: Criteria followed
  - First B.Tech - EAMCET ranks
  - Second B.Tech (Lateral Entry) - ECET ranks
  - M.Tech - GATE / PGECET ranks
  - MBA and MCA - ICET ranks
  - Diploma - POLYCET ranks
  - Second Diploma - IVC Bridge Course
- ii) B-Category (Management Quota) admissions : Criteria followed
  - The Institutions that are approved by All India Council for Technical Education and permitted to fill NRI seats not exceeding 5% of the sanctioned intake in each course for the academic year shall admit NRI candidates (sons and daughters of NRIs) who have passed the qualifying examination with not less than 50% of marks in prescribed group subjects or 50% aggregate marks in the qualifying examination or Cumulative Grade Point Average (CGPA) equivalent to 5 on a scale of 10.
  - The remaining seats shall be filled on merit basis with candidates including from other States and union territories who have secured rank at AIEEE (JEE-Main) and secured not less than 45% (40% in case of candidates belonging to reserved categories) of marks in the prescribed group subjects in the qualifying examination.
  - The seats remaining unfilled from the above shall be filled with eligible candidates on merit basis following eligibility criteria laid down in rule (4) of G.O.Ms.No.74.
  - Thereafter, if any seats still remain unfilled such seats may be filled on merit basis with candidates securing not less than 45% (40% in case

of candidates belonging to reserved categories) in the prescribed group subjects taken together/aggregate marks in the qualifying examination.

All affiliated colleges are governed by the admission procedures and guidelines prescribed by the APSCHE (Andhra Pradesh State Council of Higher Education), Government of Andhra Pradesh.

Program	Mode of Selection
For all B. Tech. branches	A-Category (Convener Quota) students must have passed 12th Standard. B-category students must have passed 12th Standard with minimum 50% marks
For all M. Tech. branches	Must have passed relevant B. Tech with minimum 50% marks
Master of Computer Applications (MCA)	Must have passed any Degree with minimum 50% marks
Master of Business Administration (MBA)	Must have passed any Degree with minimum 50% marks
Diploma	Must Have passed SSC or It's Equivalent Examination.

## Quality of Students Admission:

Table - A

## Courses-wise Lowest &amp; Highest Ranks for UG - B.Tech Programmes

## EAMCET RANKS 2014 -2015

CATEGORY	CIVIL		EEE		MECH.		ECE		CSE	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
OC	46709	164503	29908	187269	36466	143376	12808	101694	23610	125616
BC-A	99543	163518	124658	124658	77178	135699	84054	182351	41833	102260
BC-B	25101	178659	40849	184201	19948	176522	19381	200602	46730	191075
BC-C	--	--	139345	139345	--	--	--	--	--	--
BC-D	--	--	43382	104849	183886	183886	34904	34904	93387	196998
BC-E	--	--	127692	127692	154942	154942	41223	146970	70738	158621
SC	62272	200003	97998	201566	108998	187843	53480	187974	56307	201573
ST			108746	108746						

## EAMCET RANKS 2013 -2014

CATEGORY	CIVIL		EEE		MECH.		ECE		CSE	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
OC	39283	154748	36745	146859	60531	167658	23789	97211	7398	152861
BC-A	92621	206822	59528	175842	49609	165191	164221	164221	57453	135243
BC-B	20285	208502	40043	212237	87462	206012	12506	185313	66712	194030
BC-C	140086	140086	--	--	--	--	--	--	192726	204960
BC-D	--	--	--	--	185414	185414	31227	148092	183834	183834
BC-E	--	--	--	--	--	--	--	--	--	--
SC	79960	200930	71844	216674	74417	208914	20609	216624	151247	217379
ST	186825	186825	--	--	--	--	--	--	--	--

## EAMCET RANKS 2012 -2013

CATEGORY	CIVIL		EEE		MECH.		ECE		CSE	
	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest
OC	62100	198597	37151	197423	31058	199424	30342	195741	48996	194112
BC-A					181492	181492	90768	90768	115129	115129
BC-B			55391	202442	48217	193118	20418	195459	170889	181295
BC-C									188501	188501
BC-D			117269	117269	44923	183000	104452	104452		
BC-E										
SC	70143	186929	63619	206680	103614	197636	120310	206065	134318	205584

## EAMCET RANKS 2011-12

ATEGORY	CSE		ECE		EEE	
	Lowest	Highest	Lowest	Highest	Lowest	Highest
OC	95548	201588	5934	184401	41186	201710
BC-A	201074	201074	43158	127324	141833	141833
BC-B	64437	201487	52057	203388	90732	159549
BC-C			36596	36596	171182	171182
BC-D	93459	123715	175541	175541	49975	49975
BC-E			160472	160472		
SC	185182	185182	77354.1	182453	172031	206782.1



Table - B

## Courses-wise Lowest &amp; Highest Ranks for PG - M.Tech Programmes

## GATE / PGECET RANKS 2013 -2014

CATEGORY	P S		VLSI	
	Lowest	Highest	Lowest	Highest
OC	413	600	316	10572
BC-A	4873	4873		
BC-B	2267	23685	955	27307
BC-C			10591	10591
BC-D	2742	4038		
BC-E	707	707		
SC	9237	12847	3608	10197

## GATE / PGECET RANKS 2012 -2013

CATEGORY	P S		VLSI	
	Lowest	Highest	Lowest	Highest
OC	95	4717	3036	7241
BC-A	16598	16598		
BC-B	252	788	1169	10340
BC-C				
BC-D			1962	1962
BC-E				
SC	13180	13180	6939	12567
ST	6092	6092		

Table - C

## Courses-wise Lowest &amp; Highest Ranks for PG - MBA / MCA Programs

## ICET RANKS 2014 -2015

CATEGORY	MBA		MCA	
	Lowest	Highest	Lowest	Highest
OC	8090	84496	3881	95977
BC-A			20113	20113
BC-B	19400	116051	6571	80558
BC-D	6315	6315	71503	71503
BC-E	24584	24584		
SC	40563	107259	53340	53340

## ICET RANKS 2013 -2014

CATEGORY	MBA		MCA	
	Lowest	Highest	Lowest	Highest
OC	5685	117231	2477	118329
BC-A	15860	68009	9332	21538
BC-B	9496	120115	3070	98774
BC-D	39148	67636		
SC	21879	122572	30040	66749

## ICET RANKS 2012 -2013

CATEGORY	MBA		MCA	
	Lowest	Highest	Lowest	Highest
OC	5495	68937	679	117259
BC-A	65527	119354	11809	86797
BC-B	22397	118475	14940	93436
SC	20264	120303	1980	121134

ICET RANKS 2011 -2012

CATEGORY	MBA		MCA	
	Lowest	Highest	Lowest	Highest
OC	6729	120412	994	84367
BC-A	47937	90004		
BC-B	4678	106605	6704	96782
BC-C	70620	70620		
BC-D	64658	89795		
BC-E	35000	67465		
SC	40069	121042	122317	122317

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

- The process of admissions is totally under the control of the APSCHE, Government of Andhra Pradesh and APSBTET
- So, admission process cannot be reviewed by institute. Even though admission process is uniform across the state, admitted students' profiles are reviewed by the Institute every year. Institute highlights its achievements in media to improve its profile and attract better students.
- It is hoped that the quality of teaching and care taken by the college, such as conducting special classes for slow learners and conduct of classes on topics beyond syllabus, pre placement training, GATE coaching, encouraging students to participate in seminars, group discussions, technical skills, communication skills etc. will be spread by students to the society leading to improvement in quality of admissions.

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

- \* SC/ST
- \* OBC
- \* Women
- \* Differently abled

- \* Economically weaker sections
- \* Minority community
- \* Any other

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

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

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

➤ **Women**

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

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

Program	Course	2014-15	2013-14	2012-13	2011-12
B.Tech	CE, EEE, ME, ECE, CSE	273	246	132	76
M.Tech	CAD/CAM, PS,VLSI,CSE	--	9	10	--
MBA	---	38	55	43	34
MCA	---	26	48	49	15
Percentage of all students	---	49.72	47.34	30.9	20.8

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

➤ **Differently abled**

Differently abled students are allotted seats as per the reservation policy of the state government. For them, classes are held at the ground floor. Separate toilets are provided for such students. Seats are reserved for them in the classrooms.

➤ **Minority community**

Reservation is available to the minority community under BC-E

category as per the state government's policies. Minority students admitted during last four years are given below:

Programme	Course	2014-15	2013-14	2012-13	2011-12
B.Tech	CE, EEE, ME, ECE, CSE	3	1	1	1
M.Tech	CADCAM,PS,VLSI,CSE	-	2	-	-
MBA	---	1	-	-	4
MCA	---	-	1	-	1
Percentage of all students	---	0.5	0.5	0.1	1.0

➤ Any other

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

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

sno	Program	Course	intake	Admitted	Ratio
2014-15					
1	UG	Civil Engineering	60	58	96.67
2		Electrical & Electronics Engg.	120	100	83.33
3		Mechanical Engineering	60	57	95.00
4		Electronics &Communication Engg	120	120	100.00
5		Computer Science and Engineering	120	119	99.17
1	PG	PS	18		
2		VLSI	18		
3		Master of Computer Applications	120	42	35.00
4		Master of Business Administration	120	94	78.33
2013-14					
1	UG	Civil Engineering	60	60	100.00
2		Electrical & Electronics Engg.	120	99	82.50
3		Mechanical Engineering	60	59	98.33
4		Electronics &Communication Engg	120	111	92.50
5		Computer Science and Engineering	120	117	97.50
1	PG	PS	18	16	88.89
2		VLSI	18	14	77.78
3		Master of Computer Applications	120	78	65.00
4		Master of Business Administration	120	92	76.67
2012-13					
1	UG	Civil Engineering	60	27	45.00
2		Electrical & Electronics Engg.	120	53	44.17

3		Mechanical Engineering	60	52	86.67
4		Electronics &Communication Engg	120	114	95.00
5		Computer Science and Engineering	120	46	38.33
1	PG	PS	18	18	100.00
2		VLSI	18	18	100.00
3		Master of Computer Applications	120	52	43.33
4		Master of Business Administration	120	113	94.17
2011-12					
1	UG	Civil Engineering	-	-	-
2		Electrical & Electronics Engg.	120	51	42.50
3		Mechanical Engineering	-	-	-
4		Electronics &Communication Engg	120	102	85.00
5		Computer Science and Engineering	120	58	48.33
1	PG	PS		-	-
2		VLSI		-	-
3		Master of Computer Applications	120	34	28.33
4		Master of Business Administration	120	93	77.50

- Keeping in view of the demand for different courses, the number of seats (intake) is increased over the years.
- In the recent years students are not opting for IT programme due to shrinking opportunities.
- In the year 2012-13, admissions slowed down due to the delay in admissions, increase in number of colleges in AP, recession in industry and in IT sector etc. Due to the delay in admissions, many students opted for deemed universities in AP and others states.

## 2.2 Catering to Student Diversity

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

- The institution is adhering to Andhra Pradesh Government policies regarding the needs of differently-abled students.
- Railings and ramps are provided for differently abled students.

- Separate toilets are available to them. Seats are reserved for them in the classrooms.
- In case of extreme physical disability, class work is arranged in the ground floor.
- Students having vision and functional disability shall be provided with scribes during examinations.
- Extra time is allotted for laboratory classes and special care will be taken for such students.

*Assistance provided to visually handicapped students:*

No Visually Handicapped Students joined/pursuing in the institution.

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

YES.

The institution assesses the students' needs in the following ways

- The college arranges "Awareness Programme" to the students aspiring admission in B.Tech programme and their parents before the admission process commences to explain the admission procedure and to create awareness in them on branch selection and also on college selection, depending on the facilities needed for students to study in the college they choose.
- Induction Programme is arranged every year for students and their parents before commencement of class work at which the information regarding facilities, faculty expertise, rules & regulations, discipline code of the college, and the teaching-learning methodology is given to create awareness about the college. The students and parents are encouraged to express their problems and elicit other information during induction programme.
- Bridge courses are conducted for lateral entry students.

- Orientation classes are arranged in mathematics and computers for newly admitted students before commencement of class work.

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

The strategies drawn and deployed by the institution are

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

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

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

- A women redressal cell is formulated headed by one senior lady staff member, one lady faculty member from each department (if available) . This cell looks after the welfare of girl students and lady staff members.
- The college conducts for seminars and conferences wherein the experts from the above mentioned fields are invited to share and deliver their experiences and knowledge.
- Drawing and essay competitions are held regarding environment issues to keep them alive to such issues.
- Professional Ethics and Morals and Environmental Studies are part of the regular curriculum.
- The N.S.S. unit conducts awareness programmes to villagers around Bhatlapalem (Amalapuram) to enlighten them on importance of education to children, environmental and social responsibilities. The unit also conducts signature campaign on various issues.
- The students also involve in social service activities like clean & green programme, plantation, health checkup camps, blood donation camps, fire safety measures etc.

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

- There is a streamlined mechanism for continuous monitoring and evaluation of the students. This system helps to identify advanced learners.

The advanced learners are identified based on the performance in internal exams, regular attendance to classes and the performance in class tests.

- Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:
  - Assigning seminar topics.



- Additional library tickets are provided.
- Topics on content beyond syllabus are taught to quench to some extent their thirst for knowledge.
- Training on paper presentations is imparted.
- Encouraging them to prepare for competitive examinations like GATE, GRE etc.,
- Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. for developing analytical, problem solving and presentation skills.
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Training to use audio visual aids like power point, charts and models for effective presentation.
- Motivating to participate in in-house research activities.
- Encouraging them to participate in national level paper contests, seminars and project exhibition competitions.
- Providing opportunity to develop their creativity by organizing intercollegiate and state level cultural, literary, technical and sports competitions.
- Encouraging them to take specialized training through certificate courses.
- Appointing them as student representatives at the department level committees to develop leadership skills.
- Assistance in helping the slow learners especially during the conduct of tutorials which will enhance their communication skills.
- Pre-placement training (PPT) classes are conducted to improve their performance in the placement interview.
- Infosys Foundation Programme (IFP): Infosys launched an academia-

industry partnership initiative termed Campus Connect (CC) in May, 2004. As part of CC, the college is running a foundation programme, a soft skills programme, for the benefit of the students of CSE/IT/MCA branches

IFP Batch  
Details

Sl. No.	Academic Year	No. of Batches Completed	No. of Students Benefited
1	2013-14	1	60
2	2012-13	2	120
3	2011-12	1	60
Total		4	240

ISS Batch  
Details

Sl. No.	Academic Year	No. of Batches Completed	No. of Students Benefited
1	2011-12	1	60
Total		1	60

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

- The departments maintain the academic record of the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.
- Slow learners are identified after observing their performance in class tests and first mid examinations.
- Such students are asked to explain their problems and the following measures are taken to reduce the drop outs.
  - Special classes are conducted for students deficient in language skills.

- Remedial classes are organized to clarify doubts, re-explaining of critical topics for improving performance.
- One faculty member is assigned as counselor for every 30 students. The faculty counselor assesses the nature of their problem. Students with psychological / emotional problems are also motivated in a friendly way to reach their academic goals. Poor performance due to frequent absenteeism is dealt with by informing by phone and sending registered letters to the parents of such students.
- Teachers prepare separate learning material for slow learners.
- All the staff members maintain good relations with students and deal with their problems in a sympathetic manner.
- Learning ware Materials for all Engineering Programmes are available.

## 2.3 Teaching-Learning Process

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

i) Academic Calendar      ii) Handouts      iii) Teaching Plan      iv) Evaluation

i) Academic calendar:

- The academic calendar issued by the affiliating university JNTUK, is followed in Toto.
- It is included in the student handout and also placed in the college website.
- The department level academic calendar, prepared keeping in view the University academic calendar, includes different activities to be organized by the department.

ii) Handouts:

- At the beginning of the semester students are supplied with handouts.

The handout consists of

- Course objectives and outcomes of each unit.
- Lecture schedule.
- Text books, Reference books and important URLs for the subject material.
- Assignment and important questions in each unit.
- Content beyond syllabus.
- The evaluation procedures for internal tests - theory and practical.

**iii) Teaching Plan:**

- Head of the department conducts meeting with the faculty before commencement of the semester course work in which subject allocation is made.
- Class timetables are prepared and displayed in all the notice boards.
- Every faculty member prepares a course file.
- Laboratory manuals are prepared and supplied to students at the beginning of the semester.
- Review meetings are arranged periodically to review the coverage of syllabus.
- Teacher uses teaching aids like OHPs, LCDs wherever they are necessary.

**iv) Evaluation:**

- Two mid examinations, subjective and on-line, in theory subjects and one internal examination in case of practical are conducted in each semester.
- The department will carry out internal assessment on all subjects based on internal test performance of the students.
- Continuous evaluation procedure is followed for practical subjects.
- Internal marks are awarded following University & SBTET guidelines.
- However, University & SBTET conduct end semester examinations

in both theory and practical subjects and arranges evaluation.

- Evaluation of mini-projects and main projects is also under the Purview of the University.

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

The IQAC is recently constituted and proposes to take up the following activities:

- Development of Quality benchmark / parameters for various academic and administrative activities of the institute.
- Organization of workshops, seminars and quality related themes.
- Documentation of various programmes / activities leading to quality improvement.
- Conducting internal quality audit periodically.
- Preparation of Annual Quality Assurance Report (AQAR), post-accreditation, to be submitted to NAAC.

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

- The college offers support services to the teachers for making the learning student centric.
- The college organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning.



Guest Lecture on Information Security by Ms L Sumalatha, Assoc Prof, HOD,

- Interactive learning
  - All classrooms in the campus are WI-FI Connected and separate e-classroom is provided for each department.
  - The college provides state of the art seminar halls and e-class rooms where students participate in group discussions, debates and seminars.
- Collaborative learning
  - The college has the facility of teaching aids such as OHP, LCD projectors, broadband internet connectivity, Wi-Fi connectivity.
  - The departments maintain department libraries and internet facility to access all the journal, e-material, e-books etc through library server enabling the students and faculty to keep abreast of the latest developments in their respective fields.
- Independent learning
  - The college provides well stocked library which consists of bulk of books, journals, project reports and other teaching material for use to students and faculty.
  - The department provides well equipped labs for improving programming skills & logical thinking.

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

- The students are encouraged to design their own applications using the available equipment in the laboratory and software.
- The faculty motivates the students to participate in model making, paper presentations, software contests and various co-curricular activities in various events organized in and outside the college.
- The scientific temper among students is enhanced by providing additional laboratory hours and research activities.
- Students are encouraged to participate in project competitions and workshops with hands-on experience.



Web Works Workshop Conducted under CSI



SoftPoential Workshop Conducted by Sweccha



Workshop on Mobile Technologies by Mr Tammireddy Krishna from MicroSoft



Winners of poster presentation, EVINCE-2k12

- Students are encouraged to come out with innovative ideas to foster scientific temper.
- Students are encouraged to take up live / industry projects.
- Students are encouraged to gain knowledge in interdisciplinary subjects through selection of electives, seminars and discussions with experts.
- The college encourages participating in games & sports, NSS and other social activities to enhance their team-work skills, self esteem, and personality.
- To hone critical thinking process of students various group discussions, debates and seminars are organized in which students explore new ideas.



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

➤ e-learning Resources

- Modern teaching aids like OHP, Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.
- The students are also encouraged to use computer software packages for their projects.

➤ NPTEL

- NPTEL video courses on Various subjects are provided in the library.



Seminar on NPTEL E-Content by Mr.G.Rajan,

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

- The staff members are encouraged to participate in short-term courses, staff development programmes and workshops on advanced topics to enhance their level of knowledge.
- The college arranged the following training programmes for junior faculty members and Prof. Gullapalli Satyanarayana



- Instructional Design and Delivery Training Teachers for Excellence

- Guest Lectures/ workshops are organized by inviting experts / resource persons on advanced topics for the benefit of students and faculty.



Cloud Computing with .NET Workshop by COIGN

- Industrial tours are arranged for the students for practical exposure.



CSE students visiting the Vizag Steel plant Vizag in Andhra Pradesh

- Faculty members are encouraged to participate / present papers at national/international seminars / conferences.
- The departments conduct paper contest, poster presentation, technical exhibition etc. under departmental association activities.
- The college arranges state level competitions in literary & cultural, sports & games and technical paper contests during EVINCE & HORIZON.
- Teachers deliver “Content beyond syllabus” during their classroom instruction.

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

- The class teachers carefully monitor the regularity of attendance and the performance of the students in internal evaluation tests and end semester examinations. Accordingly, the students are advised and also remedial classes are conducted for poor performers to improve their performance in the subsequent examinations.
- Counselors / advisors are allotted for each class or group of students to provide academic and personal guidance. Usually, one faculty member is assigned as counselor for a group of 30 students. By this way, all the students of the college are benefited.
- The students who need special psychological counseling with regard to perceptual disorders, adjustment problems etc. are provided psychological counseling by inviting the psychologists.
- Counseling seminars are conducted every year by renowned counselors to all the students, particularly at 1<sup>st</sup> and 2<sup>nd</sup> year level.

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

- Each class room is provided with internet facility.
- The college is a Wi-Fi enabled campus covering a radius of 0.5 km.
- Each department has an exclusive well equipped e-class room.
- The use of modern multi-media teaching aids like OHP, LCD projectors, Internet enabled computer systems are usually employed in class room instructions.

- The students are also encouraged to use computer software packages for analyses and experimental work of their projects.
- The college encourages teachers to enhance their subject knowledge and research in their respective fields using library resources and software.
- Creative assignments are prepared by the faculty in all the subjects and students are asked to prepare the solutions by referring the books and other e-learning materials.
- Seminars / symposia are conducted regularly every year to bring out inherent talents of the budding engineers. Special guest lectures are also arranged on the latest topics by eminent academicians / industrialists.
- The faculty members are encouraged to participate in National/International level seminars by extending academic leaves and the required financial assistance.
- The faculty members in turn transform their knowledge or technical know-how to their students either in the classroom or arranging special lectures for this purpose.
- The college regularly arranges training programmes for junior faculty members by Prof. Gullapalli Satyanarayana.
- ELCS lab is established to improve the verbal skills of the students.

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

- The college has a central library with plinth area 800 Sqm. with all modern facilities. The library has the following resources:
 

Titles	: 3,555
Total No. of Volumes	: 25,458
Text Books	: 19,615
Reference Books	: 5,843

Library Automation : Library maintenance is computerized and bar coding Technology is used. Library books are classified as per Dewey decimal classification.

e-Books : 265

e-Journals : 4,329 (IEEE-145, SPRINGER-149, ASME-26, ASCE-34, ELSEVIER-275, J-GATE Engg.- 1,700, J-GATE Management- 2,000)

Print Journals : 45

Project Reports : 1,000

#### ➤ Digital Library

Number of Computers with Multimedia and Internet facility : 35

Broad Band internet Connectivity :

10 MBPS BSNL Broadband connection

6 MBPS i-Net Leased Line

Library Server : DELL T110 Server with 4GB RAM  
320 GB HARD DISK

Library Networks Membership : DELNET

Discussion Rooms : 02 (for start-stop mode of e-learning)

E-Learning Material : 800 Hours of NPTEL Video Courses on 200 subjects

300 Hours of Stanford Video Lectures 100 Hours of Harvard Video Lectures Learning ware Materials for all Engineering Programmes

Media Resource Centre : Reprographic, Printing and Document Scanning facility

Number of users per day : 500 (on average)

- The students are encouraged to utilize the learning materials available in the library.
- The faculty and students go through the video lectures like NPTEL, NME -ICT of Professors from IITs.
- The faculty and students refer the online and print journals to publish/ present technical papers.
- Students refer the e-learning resource material available in the digital library to enhance their technical knowledge and understanding of the subjects.
- The library and Internet centre are kept open beyond the working hours of institution. Students can download the required technical material.
- An awareness seminar on “How to use library resources effectively” is usually conducted every year by the college librarian for newly admitted students.

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

YES,

Though the institute could complete the curriculum within the time frame stipulated by the University, it has some times faced the following challenges:

- a) Due to late admissions at first year level, the instruction period is usually less. Faculty take it as a challenge and complete the syllabus in time by conducting extra classes and also motivating the students to prepare on day to day basis.
- b) Some times teachers need to conduct bridge courses particularly to the lateral entry students admitted into second year to meet the

curriculum gap so as to make them comfortable with the curriculum subjects.

- c) Unforeseen interruptions to the class work are compensated by arranging extra classes beyond working hours.
- d) The IQAC monitors the syllabus coverage in every subject and suggests suitable remedial measures to the teachers concerned.

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

- The inter semester and end semester feedbacks on all the subjects are taken from the students in every semester.
- The feedback is analyzed and evaluated on the scale of 100 and every teacher is provided with a copy of feedback for making necessary corrections. Further, teachers are counseled by the head of the department, Principal and Chairman if required.
- The administration also receives the feedback by interacting with a selected group of students from each class.
- Annual review interviews are conducted by external experts to evaluate the knowledge and ability of the faculty to teach the curriculum subjects.
- The quality of course material and assignments prepared by the faculty are assessed internally and suitable suggestions for enriching the course materials and assignments are given by the senior faculty of the departments.
- New / creative assignments are prepared every year in all the subjects.

Feedback forms are given below:

**BVC INSTITUTE OF TECHNOLOGY & SCIENCE**

**STUDENTS' FEEDBACK ON FACULTIES**

2012-13

PROGRAMME :

Name of Faculty Evaluated:

Subject handled:

Name of Students (Optional):

BRANCH:

SEMESTER:

Choose → 5-Excellent; 4-V.Good; 3-Good; 2-Fair; 1-Poor

S. No.	Parameter Evaluated	Grade
1	Teacher comes to Class on time	
2	Teaching is well planned	
3	Teacher makes objectives clear	
4	Subject matter organized in logical sequence	
5	Teacher comes well prepared in the subject	
6	Teacher speaks clearly and audibly	
7	Teacher writes and draws legibly	
8	Teacher explains with examples clearly	
9	Teaching pace is good; Not very fast	
10	Teachers offers assistance and counseling	
11	Teacher asks relevant questions for interaction	
12	Teacher encourages raising doubts	
13	Teacher ensures learning of subject	
14	Teacher encourages originality and creativity	
15	Teacher is courteous and impartial	
16	Teacher is regular and maintains discipline	
17	Teacher covers the syllabus at appropriate pace	
18	Teacher holds quizzes, seminars regularly	
19	Teacher correction of scripts fair and impartial	
20	Teacher promptly values and returns papers	

# BVC INSTITUTE OF TECHNOLOGY & SCIENCE

## AMALAPURAM

### STUDENTS' FEEDBACK ON FACULTIES - ANALYSIS

PROGRAMME :

BRANCH:

SEMESTER:

S. No.	FACULTY NAME	SUBJECT	Av. Garde	REMARKS

FACULTY-IN CHARGE

HEAD OF THE DEPARTMENT



# BVC INSTITUTE OF TECHNOLOGY & SCIENCE

## AMALAPURAM

### STUDENTS FEEDBACK ON LABS

PROGRAMME :

SEMESTER :

FACULTY IN-CHARGE OF LAB CLASS(Virtual) :

FACULTY IN-CHARGE OF LAB (Physical):

Choose Grades → 5-Excellent; 4-V.Good; 3-Good; 2-Fair; 1-Poor

Title of Lab	Grades Allotted
What was your batch Size?	
Satisfied with your batch Size?	
Experiments of Lab Classes conducted as per schedule provided?	
Equipment's provided sufficient?	
Equipment's provided in working condition?	
Lab Consumables provided of Good Quality?	
No. of experiments conducted as per University Norms?	
No. of experiments conducted over and Above University Syllabus?	
Design based Experiments Carried out by the student.	
Lab Manual Provided was complete in covering the Syllabus and informative?	
Lab assistant / technician assisting you	
Class in-charges (Faculties) are helpful in Completing the Experiments	
Opportunity provided to complete experiments partially done experiments and for days o which students were absent	
Your Suggestion for improvements:	

**BVC INSTITUTE OF TECHNOLOGY & SCIENCE**  
**AMALAPURAM**

**STUDENTS FEEDBACK ON LABS - ANALYSIS**

PROGRAMME :

SEMESTER :

S. No.	LAB CLASS	Lab Class In-Charge & Lab Assistants	Details of Feedback and corrective action proposed

FACULTY-IN CHARGE

HEAD OF THE DEPARTMENT

## BVC INSTITUTE OF TECHNOLOGY & SCIENCE AMALAPURAM

### FEEDBACK FROM FACULTY & STAFF

PROGRAMME :

SEMESTER :

a) Name :

b) Number of Years in the College :

c) Please provide your comments on the following :

- |  |   |
|--|---|
| 1. Management Attitude                   | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 2. Attitude of the Administration        | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 3. Motivational Incentives               | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 4. Salary and other emoluments           | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 5. Service Conditions                    | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 6. Opportunities for Professional Growth | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 7. Opportunities for Personal Growth     | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 8. Infrastructure Facilities             | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 9. Library Facilities                    | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 10. Computing and Internet Facilities    | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 11. Opportunities for R&D                | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 12. Sports, Extra Curricular Facilities  | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 13. Mess/Canteen Facilities              | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 14. Transport Facilities                 | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 15. Overall rating of the College        | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |

d) Your Positive/Negative Comments:

e) Your suggestions for the Improvement of the Institution/Department:

SIGNATURE

# BVC INSTITUTE OF TECHNOLOGY & SCIENCE

## AMALAPURAM

### FEEDBACK - PARENTS

- a) Name of the Parent :
- b) Present Address :
- Phone Number :
- Email-ID :
- c) Name of the Student :
- d) Branch and Year :
- e) Please provide your comments on the following:
1. College Infrastructure : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  2. Teaching imparted to your ward : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  3. Department Resources : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  4. Faculties helpfulness : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  5. Library Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  6. Computing and Internet Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  7. Sports, Extra Curricular Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  8. Personality/Communications Skills Development Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  9. Placement Opportunities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  10. Transport Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  11. Mess/Canteen Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  12. Feedback on ward's Progress : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  13. Discipline standards in the College : ☐ Excellent ☐ Good ☐ Average ☐ Fair
  14. Overall rating of the College : ☐ Excellent ☐ Good ☐ Average ☐ Fair
- e) Your Positive/Negative Comments:
- f) Your suggestions for the Improvement of the Institution/Department:

SIGNATURE

## BVC INSTITUTE OF TECHNOLOGY & SCIENCE AMALAPURAM

### FEEDBACK - ALUMNI

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

SIGNATURE

# BVC INSTITUTE OF TECHNOLOGY & SCIENCE

## AMALAPURAM

### FEEDBACK - EMPLOYER

a) Name of the Organization :

b) Name of the Officer and Designation

c) Name of the Employee :

d) Please provide your comments on the following:

- |                             |   |
|-----------------------------|---|
| 1. Performance of the staff | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 2. Technical Skills         | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 3. Attitude                 | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 4. Interpersonal Skills     | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 5. Passion for Growth       | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |

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

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

SIGNATURE

SEAL OF THE COMPANY

# BVC INSTITUTE OF TECHNOLOGY & SCIENCE

## AMALAPURAM

### FEEDBACK - HOSTELLERS

NAME (Optional):

BRANCH:

SEMESTER:

ROOM #:

a) Please provide your ratings on the following:

1. Hostel Infrastructure : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

2. Facilities in the Room : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

3. Mess Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

4. Food Quality : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

5. Medical Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

6. Computing and Internet Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

7. Sports, Extra Curricular Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

8. Library Access & Facilities : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

9. Study Hours : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

10. Overall rating of the Hostel : ☐ Excellent ☐ Good ☐ Average ☐ Fair

Comments:

b) Your suggestions for the Improvement of the Hostel:

SIGNATURE

**BVC INSTITUTE OF TECHNOLOGY & SCIENCE**  
**AMALAPURAM**

**FEEDBACK - ANALYSIS & ACTION TAKEN**

DEPARTMENT:

DATE:

ACADEMIC YEAR:

SEMESTER:

FEEDBACK FORM:   ☐ FACULTY   ☐ PARENTS   ☐ ALUMNI   ☐ EMPLOYER   ☐ HOSTELLERS

CONSOLIDATED FEEDBACK POINTS:

REMEDIAL ACTION SUGGESTED:

FACULTY-IN CHARGE

HEAD OF THE DEPARTMENT



**BVC INSTITUTE OF TECHNOLOGY & SCIENCE****AMALAPURAM****FEEDBACK - ALUMNI**

- a) Name :
- b) Year of Graduation :
- c) Branch :
- d) Present Address :
- Email-ID :
- e) Present Occupation :  
(Please send appointment letter copy to the HOD at the earliest)
- f) Whether undergone higher education: Yes/No  
(If Yes, please send Admission details at the earliest)
- g) Please provide your comments on the following:
- |  |   |
|--|---|
| 1. College Infrastructure              | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 2. Effectiveness of Teaching Processes | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 3. Department Resources                | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 4. Faculties helpfulness               | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 5. Library Facilities                  | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 6. Computing and Internet Facilities   | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 7. Sports, Extra Curricular Facilities | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 8. Personality/Communications Skills   |   |
| Development Facilities                 | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 9. Placement Cell                      | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 10. Overall rating of the College      | : <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
- g) Your Positive/Negative Comments:
- h) Your suggestions for the Improvement of the Institution:

## 2.4 Teacher Quality

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

➤ Recruitment of faculty:

- The college recruits and retains the faculty who are competent, qualified, experienced and experts in their respective field of study.
- The college advertises the recruitment of the faculty in the state and national level newspapers and conducts interviews by inviting the outside subject experts and internal senior faculty. AICTE and University guidelines are followed for recruitment of staff.

The following is the procedure in brief for recruitment of faculty.

- Workload from Departments
- Cadre-wise requirement as per AICTE
- Calling for applications through advertisement and website
- Scrutiny of applications
- Interview calls by post and e-mail
- Selection committee which includes external subject experts
- Issue of Appointment letters

Dept.	Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
		Male	Female	Male	Female	Male	Female	
CE	Ph.D	1	-	-	-	-	-	1
	ME/M.Tech,	-	-	-	-	-	1	1
	M.Phil, M.Com., M.Sc., / M.A	-	-	-	-	-	-	0
	B.Tech	-	-	-	-	2	4	6
EEE	Ph.D	-	-	-	-	-	-	-
	ME/M.Tech	1	-	2	-	6	2	11
	M.Phil, M.Com., M.Sc., / M.A	-	-	-	-	-	-	-

	B.Tech	-	-	-	-	22	9	31
ME	Ph.D	1*	-	-	-	-	-	1
	ME/M.Tech	-	-	1	-	2	-	3
	M.Phil, M.Com., M.Sc., M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	4	1	5
ECE	Ph.D	1	-	-	-	-	-	1
	ME/M.Tech	1	1	2	2	8	7	21
	M.Phil, M.Com., M.Sc., M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	10 9	8	18
CSE	Ph.D	-	-	-	-	-	-	-
	ME/M.Tech	1	-	2	3	8	3	17
	M.Phil, M.Com., M.Sc., M.A	-	-	-	-	-	-	-
	B.Tech	-	-	-	-	6	11	17
MBA	Ph.D	2	-	-	-	-	-	2
	MBA	-	-	1	-	7	6	14
	M.Phil, M.Com., M.Sc., M.A	-	-	-	-	-	-	-
MCA	Ph.D	-	-	-	-	-	-	-
	M.Tech	-	-	1	1	1	2	5
	MCA	-	-	-	-	6	10	16
	M.Sc(IT)	-	-	-	-	2	-	2
S&H	Ph.D	1	-	-	-	-	-	1
	M.Phil, M.Com., M.Sc., M.A	-	-	6	1	21	15	43
	B.Tech.	-	-	-	-	1	-	1
	TOTAL:	9	1	15	7	106	79	21 7

\*Thesis submitted

#### Retention of Faculty:

The following retentive measures are adopted by the college to ensure long stay of its staff members in the college.

- Contribution of college for Employee Provident Fund (EPF) to all the staff subject to a maximum of Rs.1800/- per month.
- The medical leave facility is provided for all the staff members of the college as per A.P. State Government rules.
- Provision for sanction of study leave for a maximum of two years for pursuing M.Tech course in reputed Universities / Institutes and a maximum of three years for pursuing Ph.D. programme for

the faculty with two years of service in the college.

- Coverage under Accident Insurance up to Rs. 2,00,000/- is extended to all the staff members of the college.
- Provision of concessional transport & mess facility for staff members of the college.

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

- The courses of Biotechnology and Bioinformatics are not offered in the institution. As far as IT is concerned, our institution has recruited qualified and experienced faculty. Initially there was a dearth of faculty in the field of IT, however, the institute has sponsored a few of CSE and IT faculty to pursue M.Tech programmes in reputed universities / institutes.
- The departments of Computer Science & Engineering and Information Technology have organized several workshops / seminars on the latest subjects pertaining to the IT. This has helped the faculty members to update their knowledge in those subjects.
- To attract the new faculty and to retain the existing teachers the college provides motivational incentives like sponsoring to higher education, incentives for retention and academic advancement of faculty and special pay and providing research facilities in all the departments to pursue their Ph.D. programmes.
- Faculty members are deputed to various conferences / seminars / workshops organized by other institutes on latest subjects by granting

academic leave and bearing all the expenditures including registration fee.

- During the last four years, many of our faculty members have participated in number of state level, national and international level seminars and workshops. All these teacher centric facilities helped the college in retaining the existing faculty and attracting qualified and experienced faculty to the college.

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

- a) Nomination of faculty to Staff Development programmes during the last four years (July, 2011 to June, 2015).

Academic staff development programs	No. of faculty nominated								
	EEE	ME	ECE	CSE	CE	S&H	MBA	MCA	Total
2014-15									
a) Refresher Courses									
b) HRD Programmes									
d) Staff training conducted by the University	2								
e) Staff training conducted by other Institutions			4	2				10	
f) Summer /Winter Schools, Workshops etc.				1				2	
2013-14									
a) Refresher Courses									
b) HRD Programmes									
d) Staff training conducted by the University			1						
e) Staff training conducted by other Institutions	1			2					
f) Summer / Winter Schools, Workshops etc.				5			1		
2012-13									
a) Refresher Courses									
d) HRD Programs			1						
e) Staff training conducted by other Institutions	3			5					
f) Summer / Winter Schools, Workshops etc.	22		8	26					
2011-12									
e) Staff training conducted by other Institutions	2			2				1	
f) Summer / Winter Schools, Workshops etc.	3		9	6					
g) Staff Training Conducted by University				1				1	

- b) Faculty training programmes organized by the Institution during the last four years (July, 2011 to June, 2015).

Training programmes Organized	No. of Programmes Organized									
		EEE	ME	ECE	CSE	CE	S&H	MBA	MCA	Total
2014-15										
a) Teaching - Learning methods / approaches		1	-	-	1	-	-	1	-	3

- c) Participation of Faculty as resource persons / participants and in paper presentations in various workshops / conference / seminars during the last four years (July, 2009 to June, 2013).

Faculty Participation	No. of Programmes									
		EEE	ME	ECE	CSE	CE	BS&H	MBA	MCA	Total
2014-15										
a) As Resource Persons in Workshops / Seminars / Conferences	-	-	-	-	-	-	-	2	-	-
b) Participation in Workshops / Seminars/ Conferences	-	-	-	4	3	1	-	11	2	21
c) Presentation of papers Seminars/ Conferences	-	-	-	-	-	-	-	06	-	-
2013-14										
a) As Resource Persons in Workshops / Seminars/ Conferences	-	-	-	-	-	-	-	-	-	-
b) Participation in Workshops / Seminars/ Conferences	-	1	-	1	7	2	-	3	5	19
c) Presentation of papers Seminars/ Conferences	-	-	-	4	1	1	-	-	-	6
2012-13										
a) As Resource Persons in Workshops / Seminars/ Conferences	-	-	-	-	3	-	-	-	-	3
b) Participation in Workshops / Seminars/ Conferences	-	24	-	9	31	2	-	1	8	75
c) Presentation of papers Seminars/ Conferences	-	7	-	10	5	1	-	-	-	23
2011-12										
a) As Resource Persons in Workshops / Seminars/ Conferences	-	-	-	-	4	-	-	-	-	4
b) Participation in Workshops / Seminars/ Conferences	-	4	-	9	9	1	-	3	10	36
c) Presentation of papers Seminars/ Conferences	-	3	-	18	9	-	-	2	-	32

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

- The institution extends full support for the professional development of the faculty.
- The institution deputed its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations.
- The institution also conducts number of seminars, workshops and special lectures for the benefit of its faculties and students. The institute has conducted number of workshops/seminars/ conferences during the last four years.
- The Institute grants study leave for a maximum period of three years to pursue higher studies or Ph.D. programmes with financial assistance.

Sponsoring to higher education:

- Taking into consideration the departmental needs to have Ph.Ds,ME /M.Techs for faculty positions, BE/B.Techs may be sponsored for higher degree programme. Faculty with a minimum of two years service with satisfactory performance will be given preference and shall be sponsored for the programme in the required specialization only.

Types of sponsorships:

Type - I : The college may sanction leave for higher studies providing service benefits like Salary and EPF etc., They should stay for a minimum period of two years.

Type - II : Sponsorship to Ph.D programme will be considered case by case depending on the requirement of the departments.

The following members are benefited during the last four years:

1. Mr. N Vasanth Kumar, Asst. Professor, Department of EEE
2. Mr. T Nagamuneendra, Asst. Professor, Department of EEE
3. Mr. R V V Durga Prasad, Asst. Professor, Department of EEE
4. Mrs. K Sirisha, Professor, Department of ECE
5. Mr. S Raghava Rao, Asst. Professor, Department of ECE
6. Ms. S V S M Madhulika, Asst. Professor, Department of ECE
7. Ms. O Sudhabharathi, Asst. Professor, Department of ECE
8. Mr. D K Madhav, Asst. Professor , Department of ECE
9. Mrs. V Prasanna Lakshmi, Asst. Professor, Dept. of ECE
10. Mr. P Girish, Asst. Professor Department of ECE
11. Mr. T S Ramakrishna, Asst. Professor, Department of CSE
12. Mr. K L Ganapati Reddy, Asst. Professor, Department of CSE
13. Mr. APVDL Kumar, Asst. Professor, Department of CSE
14. Ms. Ch Santhi, Asst. Professor, Department of CSE
15. Mr. V Ravindra Babu, Asst. Professor, Department of ME
16. Mr. G Muralikrishna, Asst. Professor, Department of ME
17. Ms. B Madhupriya, Asst. Professor, Department of Civil
18. Mrs. D Bindu Mahdavi, Asst. Professor, Department of MBA
19. Mr. T Pallamraju, Asst. Professor, Department of MCA
20. Ms. M L Rekha, Asst. Professor, Department of MCA

#### Incentives & Awards:

Incentives like phone allowances will be given for Heads of the Departments.

Staff members are selected for these awards based on their performance, conduct and commitment in their academic activities as well as their involvement in the developmental activities of the department and the college.

Cash Awards for Faculty based on performance.

100% pass percentage in Technical Subject	- Rs.5,000/-
100% pass percentage in Non-Technical Subject	- Rs.3,000/-
95% and above pass percentage in Technical Subject	- Rs.3,000/-
95% and above pass percentage in Non-Technical Subject	- Rs.2,000/-



Faculties are encouraged by reimbursing the total registration fee towards faculty development programmes along with on duty facility.

To encourage the faculty in Research and development activities the following incentives are given along with On Duty facility.

Publication in International Journals (IEEE Standards) -Rs.5,000/-

Publication in International Conferences conducted

by reputed Institutions with impact factor of 4 and above -Rs.3,000/-

Publication in International/National Conferences conducted

by reputed Institutions with impact factor of less than 4 -Rs.2,000/-

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

The college provides necessary infrastructure and other required support to encourage teachers to excel in their teaching / research. The conducive environment for academic growth encourages teachers to prove their mettle. As a result, the following teachers have been rewarded.

S. No	Name of the Faculty	Award
1	Dr. M C S Madan	Best Teacher award from JNTUK at University level
2	Mrs. P M Prasuna	Best Teacher award from JNTUK at University level
3	Mr. M Prasad	Best Paper award from CMR college of Engg., Hyd

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

Yes.

- The evaluation of faculty by the students through feedback forms is done twice in a semester. This feedback is analyzed and appropriate suggestions are given to the faculty by the HoD concerned and the Principal to see that they rectify the short comings.
- The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work.
- The faculty members below five years of service are evaluated by the external peers in the review interviews.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled.

## 2.5 Evaluation Process and Reforms

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

- The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students notice-board.

- Students are informed at the start of the session regarding the internal examinations.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- They are informed of the criterion of the internal assessment.
- The evaluation is the integral part of teaching learning process.
- So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes.
- The college has developed a proper Mechanism for this purpose. Staff meetings are conducted periodically to review the evaluation process.
- Academic calendar and syllabus books are provided to the students.

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

- The college is affiliated to JNTUK University, Kakinada, Andhra Pradesh.

The university has initiated various evaluation reforms viz.

- Introduction of internal assessment.
- Introduction of on-line evaluation
- Introduction of four sets of question papers for final exams at the end of each semester.
- The college has adopted various university reforms concerning evaluation viz.
  - Internal marks are awarded to the students as per the university criteria.

- On-line objective type examinations are conducted.
- Student centric learning through assignments, projects, seminars and practical sessions.

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

- The evaluation reforms of the university are followed in the best of the spirit. The evaluation is all fair.
- The students are satisfied by showing them the evaluated performance in the answer sheets. Any doubt about evaluation is made clear to the students.
- All record is maintained i.e answer sheets, award lists etc. Class tests are taken and record is kept.
- Whenever class tests are conducted, the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance.
- The institution has followed the improved examination system as prescribed by the JNTUK University, Kakinada, Andhra Pradesh.
- Students can apply for Revaluation and Challenging Revaluation procedures of the University regarding the end semester examinations.

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

- As the college is affiliated to JNTUK, Kakinada, reforms and regulations of the University in examinations and evaluation are followed.
- Even then for bringing about a positive change in the evaluation practices, the institution adopts both formative and summative methods of evaluation.

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

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

- There is complete transparency in the internal assessment. The criterion adopted is as directed by the University.
- All the students are familiarized about the transparency in internal assessment. Each subject is evaluated through internal and external exams.
- For R-13 regulation Internal and externals are conducted for 30 and 70 respectively.
- Two internal examinations are conducted for every semester. Each internal examination consists of one descriptive and one online test for each subject.

- The descriptive test is conducted for 15 marks and online for 10 marks (exam will be conducted for 20 marks and is reduced to 10 marks) and 5 marks for assignment.
- The best among the two internals will be considered.
- For R-10 regulation Internal and externals are conducted for 25 and 75 respectively. Two internal examinations are conducted for every semester.
- Each internal examination consists of one descriptive and one online test for each subject.
- The descriptive test is conducted for 15 marks (exam will be conducted for 40 marks and reduced to 15 marks) and online for 10 marks (exam will be conducted for 20 marks). The best of two will be considered.
- Online examination is conducted by the University and marks are automatically registered at University database.

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

Yes.

The performance of the students both in midterm examinations and end semester examinations in theory and laboratory subjects, project works and comprehensive are considered as an indicator in evaluating the student performance and also achievement of learning objectives.

Further, students are evaluated on continuous basis in the form of conducting tutorials, assignments, class tests etc., to assess the learning outcomes.

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

At college level:

- The answer scripts of internal examinations are shown to the students

after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the necessary corrections will be made.

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

At University level:

- The student is entitled to apply for revaluation in theory subjects by paying the prescribed fee to the University. The University will take up all such applications and revaluates the scripts by competent subject teachers.

However, if there is no improvement earlier marks will be retained.

- The student is also eligible to apply for challenge revaluation in theory subjects by paying the prescribed fee to the University. Challenging revaluation is carried out by two subject experts in the presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks in that subject.

### Students Performance and Learning Outcomes

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

YES, The college has clearly stated learning outcomes.

- The faculty, industry and alumni are actively involved in preparing learning outcomes of the college based on Graduate Attributes.
- The learning outcomes of the college are made known to the students and staff by displaying in the departments and at all prominent places of the college.

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

- The programme outcomes are developed to attain the Graduate Attributes and to meet the programme educational objectives.

Programme Outcomes (POs) :

Example: Computer Science and Engineering :

#### PROGRAMME EDUCATIONAL OBJECTIVES :

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

PEO 2: Graduates will have undertaken complex problems and developed appropriate technical solutions and demonstrated professional attitudes and ethics.

PEO 3: Graduates will have applied their knowledge and skills by effective teamwork and leadership skills in the development of practical systems to meet customer requirements.

PEO 4: Graduates will have demonstrated exposure to emerging and modern technologies.

#### PROGRAMME OUTCOMES:

The program outcomes are the technical skills and knowledge in various aspects that the graduates will have at the time of graduation.

- a. An ability to apply knowledge of mathematics, science and engineering.
- b. An ability to design and conduct experiments as well as to analyze and interpret data.
- c. An ability to design systems with realistic constraints.
- d. Students will have exposure of working in teams.



- e. An ability to identify, formulate and solve engineering problems.
- f. Students will have an understanding of professional and ethical responsibilities.
- g. Students will have ability to write, speak and present effectively on general and technical issues and subjects.
- h. Students will have acquired sufficient breadth of knowledge to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- i. Student would have realized the necessity for continuous education and has an ability to embark on a career of lifelong learning.
- j. Knowledge of contemporary issues.
- k. An ability to use the techniques, skills and modern tools necessary for engineering practices.
- l. An ability to design and develop Innovative software products.

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

**Assessment** - Assessment is one or more processes that identify, collect, and prepare data to evaluate the achievement of programme outcomes and programme educational objectives.

Programme Objectives	Programme Outcomes											
	a	b	c	d	e	f	g	h	i	J	k	l
PEO-1	✓	✓			✓		✓		✓	✓		✓
PEO-2	✓	✓	✓	✓	✓						✓	✓
PEO-3	✓	✓	✓	✓	✓			✓			✓	✓
PEO-4	✓				✓	✓	✓	✓		✓	✓	✓

**Evaluation** - Evaluation is one or more processes for interpreting the data and evidence accumulated through assessment practices. Evaluation determines the extent to which programme outcomes or programme educational objectives are being achieved and results in decisions and actions to improve the programme.

There must be an assessment and evaluation process that periodically documents and demonstrates the degree to which the programme outcomes are attained.

This exercise is aimed at assessing the possibility and provision for PEOs' mapping Course objectives and outcomes

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

At college level:

- The answer scripts of internal examinations are shown to the students after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the necessary corrections will be made.
- If student is not satisfied with the marks awarded in any subject/ laboratory after bringing it to the notice of the teacher concerned, he/she may represent the same to the Chief-Superintendent of Examinations through the HoD concerned. All such representations are taken positively and re- assessment will be made by a competent teacher if necessary.

At University level:

- The student is entitled to apply for revaluation in theory subjects by paying the prescribed fee to the University. The University will take up all such applications and revaluates the scripts by competent subject teachers.

However, if there is no improvement earlier marks will be retained.

- The student is also eligible to apply for challenge revaluation in theory subjects by paying the prescribed fee to the University. Challenging revaluation is carried out by two subject experts in the

presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks in that subject.

## 2.6. Student performance and Learning Outcomes

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

YES. The college has clearly stated learning outcomes.

- The faculty, industry and alumni are actively involved in preparing learning outcomes of the college based on Graduate Attributes.
- The learning outcomes of the college are made known to the students and staff by displaying in the departments and at all prominent places of the college.

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

- Regular tests are conducted, immediately after completing one unit, during the course. The institution evaluates the students through two internal tests.
- The report is sent to the head of institution after evaluating in a fair manner.
- The parents are informed through letters and even telephonically (for slow learners).
- To monitor the students' performance during an academic year, a class teacher is appointed in the department for each class.

- The record of the whole evaluation process is transparent. The answer scripts are shown to the students.
- The class teacher arranges to inform the parents the internal examination marks of the student's along with their class attendance.

B.Tech. (UG) :

Batch	Branch	Overall pass	1 <sup>st</sup> Division	2 <sup>nd</sup> Division
2010-14	EEE	58.13	97.30	2.78
	ECE	65.6	91.8	8.2.51
	CSE	853.46	90.9	9.1
2009-13	EEE	82.5	95.5	4.5
	ECE	91.5	87.03	12.073
	CSE	95.6	84.09	15.01
2008-12	EEE	83.3	96.3	3.7
	ECE	72.09	89.9	1.105.63
	CSE	67.39	80.6	19.4
2007-11	EEE	83.3	85.4	14.5
	ECE	75.8	93.6	6.3
	CSE	68.8	79.3	20.60

MBA/MCA Programmes :

Branch	Batch	Overall pass	1 <sup>st</sup> Division	2 <sup>nd</sup> Division
MBA	2011-13	97.8	100	---
	2010-12	100	100	---
	2009-11	100	100	---
MCA	2011-14	100	100	---
	2010-13	100	100	---
	2009-12	100	100	---
	2008-11	98.00	100	---

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

Teaching Strategies:

- The college follows the academic calendar given by the affiliating University and accordingly plans for lecture and tutorial hours and laboratory hours in all the theory and practical subjects.
- The class time tables are prepared in such a way that the required

number of periods are assigned for all the theory and practical subjects and also include the periods for association/pre-placement training/library/games and sports activities.

- ICT is effectively used wherever necessary to impart teaching and delivering seminars.
- Special attention is focused on application part of the subject and extra content is delivered wherever necessary to meet the desired learning outcomes.

#### Learning Strategies:

- Tutorials are conducted regularly in analytical / design subjects.
- Assignments are made compulsory in all the theory subjects.
- Seminars are arranged by the students on advanced topics.
- Technical quizzes/group discussions/paper presentations are arranged through departmental associations.
- E-learning materials and video courses are made available in the central Library to enhance learning outcomes.
- Industrial tours are arranged to expose the students to practical pursuits.
- Mini projects / model making are made part of the learning.
- Certificate courses on the use of modern software tools for engineering applications are conducted.
- Pre placement training is also made as a part of learning to enhance the employability.

#### Assessment Strategies:

##### i) Direct Assessment:

- Performance evaluation through internal and external examinations in both theory and lab.
- Performance evaluation by conduct of tutorials and assignments.

- Performance evaluation in project work/seminars/comprehensive viva-voce.

**ii) Indirect Assessment:**

- Survey of Alumni
- Exit feedback
- Employer feedback
- Faculty feedback
- Hostlers feedback

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

- The students are provided pre-placement training at pre-final and final year of the course to help them to secure quality jobs in the industry.
- Several seminars / workshops are conducted to create awareness on Entrepreneurship by inviting industry experts.
- Advanced laboratories and innovation centers are established to nurture the creativeness of the students and improve the research aptitude.

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

The college collects the data on learning outcomes from the stake holders by following the procedure given below:

- Exit feedback will be taken from the outgoing students every year.
- The feedback from the alumni and also from the employer is collected.
- The data pertaining to the graduates seeking higher education and involved in research is also collected.

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

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

- Through class representatives committees.
- Through system of continuous evaluation in both theory and lab subjects.
- Through the exit feedback, Alumni feedback and Employers feedback.
- Through analysis of examination performance in both theory and practical.
- Through the various activities of NSS.
- Through the achievements of students in co-curricular and extra curricular activities.

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

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

- The college scrupulously follows the Quality Document and implements all policies related to teaching-learning process as per the Quality Document.
- Evaluation process is done as per the guidelines of the University.

### CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

#### 3.1 Promotion of Research

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

YES, The institution is having a Research centre in the field of Data mining and Image processing recognized and working under the aegis of Britex Bio-photonics (BTBP) Pvt. Ltd., USA.



Photo of BTBP

The institute is applying for recognition of Research Centers in the branches of EEE, ECE & CSE to the affiliating university, J.N.T. University Kakinada, Kakinada

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

YES,

The Institute has a Research Committee comprising of the following members Chairman : Principal

Co-ordinator : Senior faculty



Members : One from each department  
nominated by the department  
concerned, preferably with Ph.D

Functions of "Institutional Research Committee (IRC)":

- To make the institute as a Research Centre of affiliating University / Other Organizations.
- To address the issues of research
- To suggest recommendations with their impact.
- To provide autonomy to the principal investigators as per the guidelines provided by the funding authorities.
- To provide adequate infrastructure and support in terms of technology and information needs.
- Facilitating timely auditing and submission of utilization certificates.
- To create awareness among the students and faculty on the culture of research and aptitude.
- To obtain information once in three months in the prescribed format on faculty involvement on guiding students, paper publications, research projects from external funding agencies and involving in collaborative research activity.
- To conduct / participate in workshops, training programmes and sensitization programmes on capacity building in terms of research and consultancy and imbibing research culture among staff and students.
- Arranging guest lectures under Institute-Industry-Interaction programmes to promote research on industry needs.

- Modernizing the existing laboratories with additional experimental set ups / instruments and technology for utilizing the labs for research activity,
  - To depute senior faculty to various research organizations for getting collaborative projects and adopting best practices.
  - To provide facility to the faculty in the form of incentives, sabbatical leaves, academic leaves for improving their qualification and quality of research.
  - To provide budget for in-house R & D projects mentioning the guidelines and targets to achieve the expected outcome of the projects proposed.
  - Sponsoring faculty and students to present papers at National / International conferences as per the stipulated guidelines mentioned in the Quality Document of the institute.
  - To appoint part-time Research Advisors for promoting the quality of research and guidance for applying for projects.
- Impact on recommendations:
- The college is also preparing for NAAC Accreditation
  - The institute is applying for recognition of Research centres in branches EEE, ECE & CSE of the college to the affiliating university, JNTUK.
  - The college provides in House R & D grant every year to the departments.
  - Principal investigators, who obtain projects from various organizations,
- will be provided with necessary infrastructural facility and autonomy.

- The college facilitates timely auditing and submission of utilization certificates
- Conducts frequent awareness programmes to both students and faculty encouraging them to take up industry/society oriented projects.
- Existing laboratories are modernized with additional equipment and experimental set-ups to promote research activity in the campus.
- The institute provides motivational incentives to the faculty who involve in acquiring Ph.Ds, in getting projects from external agencies and publish papers.
- The college deputed faculty to present papers at various national and international conferences.

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

#### § autonomy to the principal investigator

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

#### § timely availability or release of resources

Principal maintains separate accounts to each project sanctioned by external agencies and institute provides all facilities and maintains timely release of project funds for completion of the project.

#### § adequate infrastructure and human resources

The departments shall establish research labs with necessary software and computing facilities to carryout research projects. College to recruit senior

faculty possessing Ph.D degree who are competent to take up and guide research projects. Central library facilities are to be enhanced up dating with online national and international journals, digital library, hand books, reference books and material related to research activity

§ time-off, reduced teaching load, special leave etc. to teachers

Faculty working on major research projects if any are to be given the facility of reduced teaching work load in addition to sanctioning academic leave for attending the workshops/seminars relevant to their research projects and associated works. Cash awards are introduced to faculty publishing papers in reputed journals.

§ support in terms of technology and information needs

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

The college also make budget provisions to procure necessary equipment for experimental projects, subscribes to research journals to strengthen the library with latest journals, reference books and text books.

§ facilitate timely auditing and submission of utilization certificate to the funding authorities

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

§ any other

The college invites scientists and reputed researchers to share their experiences which enhance the research culture in the campus.

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

The college has established a institute research committee to promote research and consultancy activity in the campus.

Guest lectures by eminent academicians and industrialists are arranged to create awareness and interest among the students and faculty on research, also to provide information about various funding agencies, method of applying for projects etc.

College allocates budget amounts on the following every year

- To promote in house R & D
- Seed money towards paper presentations, attending R & D orientation workshops, seminars etc.
- Additional grants, if required.
- Providing infrastructure facilities, space for department research centers, procurement of equipment and software.
- Providing e-classrooms with Wi Fi connection facility, LCD projectors, Audio-visual arrangements etc.
- Enhancing the existing labs with research oriented equipment and establishing research labs.

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

- Faculty members are also involved actively in taking up sponsored/ collaborative projects from private organizations.
- Using the infrastructure facilities and laboratories that are equipped to the level of research labs, the faculty members guide the students in their project works catering the needs of industry.

**Faculty involvement in Guiding Research students/ Higher Qualification/ Research Projects during last 4 years.**

**a) Faculty involvement in Guiding Research Students :**

Sl. No.	Activity	Name/s of faculty involved	Title (sanctioned Amount if applicable)	Number with status	
				Completed	In progress
Faculty guiding Research Scholars					
1	Guiding Research Scholars	Dr. GMV Prasad	VLSI Linear Arrays Fractal Antennas Signal Processing Plasma Antennas	-	5

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

No. of Faculty awarded Ph.D. : 3

No. of Faculty submitted thesis for the award of Ph.D. : 1

**c) Faculty undertaken Research Projects :**

S No	Research Area	Faculty Expertise
<b>Department of Civil Engineering</b>		
1	Environmental Engineering and Ground water studies	Dr. M C S Madan

<b>Department of Electrical and Electronics Engineering</b>		
2	Power System Emphasis with High-voltage	A N V J Rajagopal
3	Power Electronics	K V V Satyanarayana
4	Electronic Instrumentation	P Naresh
5	Advanced Power Systems	S Chandra Prakashrao
6	Advanced Power Systems	V Subbi Naidu
7	Advanced Power Systems	A Sitaram

8	Power Electronics	N Vasanth Kumar
9	Power System & Automation	J Syamala
Department of Mechanical Engineering		
10	Nano fluids in machining	Mr. M M S Prasad
11	CAD/CAM	Mr. K Suresh
Department of Electronics & Communication Engineering		
Department of Electronics and Communication Engineering		
12	Signals & Systems, Antennas	Dr. G M V Prasad
13	Optical Communication	Y N S Vamsimohan
14	Digital Image Processing	B V Ramana
15	Electronic Instrumentation	K Sirisha
16	Stochastic Process	V Ramoji
17	Electronic Devices	J Kiran
18	Linear Integrated Circuit Analysis	K Srinivas
19	Digital Circuit Analysis	D K Madhav
20	Radar Signalling	S Raghava Rao
21	Microwave Links	R Satish Kumar
Department of Computer Science and Engineering		
22	Data warehousing & Mining	B V Ramkumar
23	Data warehousing & Mining	D Kishorebabu
24	Digital Image Processing	M Prasad
Department of MBA		
25	Economics	Dr.D Satyanarayana
26	Human Resource Management	Dr. G.PSVSD Nagendra Rao

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

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

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

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

All departments are strengthened with qualified and experienced faculty.

Based on the research specializations, research groups or individuals take up projects and publish papers in reputed journals. The research areas and the respective faculty expertise are given in the table below.

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

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

The following members visited the college during the last 4 years.

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

Sl. No.	Name of resource person and organization	Date/s
<b>Civil Engineering</b>		
1	Prof. N Swaruparani, JNTUK, Kakinada	22-04-2014
2	Prof. K V S G Muralikrishna, JNTUK, Kakinada	09-02-2013
<b>Electrical and Electronics Engineering</b>		
3	Mr. P Naveen Kumar, Software Engineer Infosys	17-08-2014
4	Dr. Moinuddin K Syed	27-02-2013



5	Dr. K Siva Kumar, Asst. Professor IIT, Hyderabad	17-02-2013
6	Mr. Godfrey Rajan, NPTEL	25-02-2013
7	Mr. Mohammad Irfan, Asst. Engineer, APTRANSCO	05-12-2012
8	Dr. Ch Saibabu, JNTUK, Kakinada	20-03-2012
9	Dr. R Kameswara Rao, JNTUK	12-10-2012
10	Mrs. G Sujatha, Senior Engineer, Design & Energy	29-11-2012
11	Mr. B Naresh, JNTUK	29-12-2012
12	Mr. Arjunkumar Dungana, Tribuvan University, Nepal	10-12-2011
13	Mr. S Ganapathi, Rtd. SC, AP TRANSCO	02-02-2011
14	Dr. Ganapathi Panda, Professor IIT, Bhubaneswar	10-08-2011
<b>Mechanical Engineering</b>		
15	Mr. V Phanindra, NTPC	27-09-2014
16	Mr. M S R K Prasad, AGM NFCL, Kakinada	27-09-2014
<b>Electronics and Communication Engineering</b>		
17	Dr. K Satyaprasad, JNTUK	26-03-2013
18	Mr. Godfrey Rajan, NPTEL	25-02-2013
19	Dr. N S Murthy, NIT, Warangal	23-02-2013
20	Mr. Raghuveer, BTBP	20-06-2012
21	Mr. D Ravikumar, Senior Network Engineer	29-12-2012
22	Prof. N Uday Kumar, JNTUK,	14-03-2012
23	Mr. U Ravikumar, Software Engineer, Juniper Technology	29-12-2012
24	Mr. Rajeshwar C Chibber	09-11-2011
25	Dr. G S N Raju, Principal, AU	10-12-2011
26	Mr. Amritlal Rangitkar, Tribuvan University, Kathmandu	10-12-2011
<b>Computer Science and Engineering</b>		
27	Mr. B V L N Somayajulu, NIT, Warangal	24-03-2014
28	Ms. L Sumalatha, Associate Professor, HOD, CSE, JNTUK	29-12-2012
29	Mr. G Ramakoteswara Rao, Professor, Siddhartha Engineering, Vijayawada	11-09-2012
30	Prof. JVR Murthy, CSE, JNTUK	10-12-2011
31	Mr. Rajeshwar C Chibber	09-11-2011
<b>Master of Computer Applications</b>		
32	Dr. T Veerraju, Professor, SCET, Surampalem	18-09-2014
33	Mr. K Naveen, Software Engineer, CTC, Hyderabad	18-06-2014
34	Mr. V Venkateswara Rao, Senior Scientist, DRDO, Delhi	05-03-2014
35	Mr. S Siva Kalyan, Senior System Admin, WIPRO, Hyd	16-09-2013
36	Mr. B Vijaya Kumar, Project Manager, ITC Bangalore	22-12-2012
37	Mr. Tammireddy Krishna, Head sales, Asia Blackberry	13-12-2011
38	Mr. S Surya Prakash, C EO, Zeon IT, Vizag	18-08-2011
<b>Master of Business Administration</b>		
39	Ms. Jones & Mr. Sitare, Softskills Trainers, USA	06-03-2014
40	Mr. Chaitanya, Suvera Tech,	25-01-2014
41	Mr. G Suresh Kumar, GM, DST Solutions, HYD	31-12-2013
42	Mr. PSN Murthy, IAS, Director, General Aadhaar	05-12-2013

43	Mr. Rajeshwar C Chibber, CEO, BTBP	10-06-2013
44	Mr. K V Sastry, Professor, IIM Bangalore	11-03-2013
45	Prof. KVSG Muralikrishna, JNTUK	09-12-2013
46	Mr. SSR Murthy, AVS College	04-02-2013
47	Mr. K Raju, Spoken English Trainer, Australia	20-02-2012
48	Prof. A Srinivasa Rao, Programme Director, ISB	11-06-2011

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

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

- The college has a policy to depute faculty to prosecute their Ph.D at reputed Universities/IITs/ NITs enabling them to promote research culture in the campus.
- The institute also provides academic leave facility to the faculty who are required to attend the courses at the respective universities where they are doing their Ph.D under external registration to fulfill the prerequisites.

The following members are deputed on Sabbatical/Academic leave

- Mrs. K Sirisha, ECE Department, to do her Ph.D work Andhra University, Vizag.
- Mr. Y N S Vamsi Mohan, ECE Department, to do his Ph.D work at Bharath University, Chennai.
- Mr. M Prasad, CSE Department to do his Ph.D work at JNTUK, Kakinada
- Mr. B V Ramkumar, CSE Department to do his Ph.D work at Periyar University, Chennai.
- Mr. D Kishore Babu, CSE Department to do his Ph.D work at JNTUK, Kakinada.

- The facility given by the college has contributed to improve the quality of research in the following ways
  - Enhanced their knowledge levels in research activity and teaching- learning process
  - The increase in number of faculty with Ph.D qualification, the image, reputation and higher grade accreditation requirements have been enhanced.
  - Made the teachers to apply and get research projects from various state and central government organizations.
  - Obtained eligibility status for establishing Research Centres in various departments of the college.
  - With the expertise in the areas of their specialization, the laboratories are modernized to carry out research activity.

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

- Research projects taken up by the college are mostly of national relevance
- Both post graduate and under graduate students give preference to take up projects related to Industrial and society needs.
- The following are some of the projects programmes taken up for transfer of relative findings of research to students and faculty of other

colleges

- Mission 10X by Wipro
- VLSI & Embedded System
- Infosys Campus Connect
- Project of IIT, Kharagpur under “National Mission Project on Pedagogy”

### 3.2 Resource Mobilization for Research

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

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

- The college also provides budget for advance software package necessary to carryout research projects.
- Test books, reference books and hand books related to advanced topics are also added to the college library for the use to the faculty and students to carry out their research activity.
- College also provides additional budget if required to the projects sponsored by external agencies to develop the labs and to organize seminars and faculty development programmes etc.

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

The college provides seed money to the faculty for completing their Ph.D programmes in service, presenting technical papers at

national and international conferences. The institute also provides seed money to students for attending industrial tours and participating in research workshops and conferences.

Faculties are encouraged by reimbursing the total registration fee towards faculty development programmes along with on duty facility.

To encourage the faculty in Research and development activities the following incentives are given along with On Duty facility.

Publication in International Journals (IEEE Standards) -Rs.5,000/-

Publication in International Conferences conducted by reputed Institutions with impact factor of 4 and above-Rs.3,000/-

Publication in International/National Conferences conducted by reputed Institutions with impact factor of less than 4 -Rs.2,000/-

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

Research labs are established in all the departments .The labs are equipped with requisite facilities for students to take up their project work in the Institution itself.Some of the projects are listed below:

Department Name	Project Name	Seed Amount	Students
EEE	Solar back pack	15000	4
ECE	Automatic railway gate way system	18000	4
	Total	33000	8

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

The institute has been conducting basic degree programs and in these degree Programs there is no provision for research work. However, for the inculcation of research aptitude in the students, institute takes several initiatives like Interdisciplinary seminars on the current, relative

and burning issues in Electronics, CSE, Mechanical & IT. The Institution also takes several Initiatives in this direction. Many industrial experts will come and interacts with the students on current issues for technical and non technical for all trades of B.Tech, M.Tech and MBA students.

Dept. Name	Student Names	Project
MCA&ECE	1.R.Shesha Veni 2.Sri Lakshmi	IRIS Recognition using Hough transform

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

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

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

No

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years. NO**

### 3.3 Research Facilities

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

Many faculty members have registered for Ph.D as external research scholars of other Universities.

The college is providing the following facilities and incentives to encourage their research.

##### i) Library facilities.

e-Journals : 4329 Nos. IEEE, SPRINGER, ASME, ASCE, ELSEVIER, J-GATE Engg., J-GATE Management.

Print Journals : 45 Nos.

e-Books : 265 Nos, McGRAW Hill, ASTM and Digital Library

No. of Computers : 35 systems with exclusive Broad Band connectivity 10 MBPS BSNL leased line

Library Server : DELL T110 server with 4 GB RAM 320 HDD

Facility : DELNET Member, Discussion Rooms, , Library Automation

e-learning Material : 800 Hrs of NPTEL Video courses on 200 subjects and 300 Hrs Stanford Video Lectures, 100 Hrs of Harvard Video Lectures. Learning Ware Materials for all Engg. Programs.

ii) Laboratory facilities:

Civil Engineering: Rebound hammer, V.B.Consisto meter, Vibro meter and total Station

Electrical & Electronics Engineering: MATLAB 7.1, AC Transmission line simulator

Mechanical Engineering: Twin Cylinder Air Compressor Test Rig, Lathe Machines, drilling machines, milling machines, CAD Lab.

Electronics and Communication Engineering: Embedded 8051 Kits, CPLD & FPGA Kits, Spectrum Analyzer.

Computer Science and Engineering: Standard Model Mobile Computing station, X treme Model MCS with Touch Screen Human computer Interaction capable, Module server, Design Pattern Lab, UML, Advanced Network Technology Lab.

1. Licensed software

Department	Licensed Software
Civil Engineering	--
Electrical and Electronics Engineering	MATALAB 7.14
Mechanical Engineering	--
Electronics and Communication Engineering	Xilinx 8.1, MATALAB 7.14, CC Studio, TASM,
Computer Science and Engg. / MCA	MS-Office 2003 Prof AE, Red Hat LINUX 9.0 Windows 2003 Server, MS MSDN Alliance 7.0 AE, IBM Rational SEED,Rational Suite(30 user), Borland Turbo C++, Cobol (Softex), Ma cro Media Mx 2004, Eclips 6.0, Microsoft Dream spark academic package, Kasper sky Anti Virus, Ubuntu, Windows 98, Windows XP, Quick Heal Antivirus.
Basic Sciences and Humanities	English Language Lab Globarena, K-van Multimedia English Language Lab,



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

As per the curriculum issued by the affiliating University i.e., JNTU, Kakinada, the basic infrastructure is available for the under graduate students. The university revises the curriculum once in three years. As the strength of students increases in the institution, Management itself procures new equipments as per the requirements and also submits the proposal to the AICTE under different available schemes. The institute also undertakes R&D and consultancy works. Each Dept having DAC and twice in a semester meetings are conducted and the resolutions passed to the affiliating university via proper channel. The grants received for research and consultancy work revenue will be utilized to update the facilities.

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

No,

The Institution applied for grants around 10Lakhs to AICTE under the various research promotion schemes. The Institution is made MOU's with many Institutions in India for developing the research promotional activities for the students and also the faculty community. The below is the list of the collaborations

BTBP, USA

- Mahajan Engineering Pvt. Ltd.
- Talent Sprint, Hyderabad

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

NO

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

- The departments of the institute have tied up with outside research organizations/institutions as listed below to take up student collaborative projects and to promote R & D and consultancy activity.
- Efftronics Systems Pvt. Ltd., Vijayawada provides facility to the students for carrying out research projects of their choice.
- Krest Technologies, Hyderabad to carry out student projects.
- Infosys Campus Connect programme.
- BTBP, USA Provides In-house Project & Training facilities for both Faculty and students. It also extends its external training support to faculty of this institution

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

#### Library & Information Centre

Plinth Area	: 800
sqm Seating Capacity	: 200
Timings	: 8.00 A.M to 8.00
P.M Titles	: 3555
Total No. of Volumes	: 25,458
Reference Books	: 5843

e-Books	: 2 6 5
e-Journals	: 3,191
Print Journals	: 4 5
Magazines	: 15
Back Volumes	: 800
Project Reports	: 1000

#### Digital Library

No. of Computers : 35 systems with exclusive Broad Band connectivity 10 MBPS BSNL leased line

Library Server : DELL T110 server with 4 GB RAM 320 HDD

e-learning Material : 800 Hrs of NPTEL Video courses on 200 subjects and 300 Hrs Stanford Video Lectures, 100 Hrs of Harvard Video Lectures. Learning Ware Materials for all Engg. Programs.

Broad Band Connectivity : 10 MBps BSNL Leased Line

Library Networks Membership : DELNET

Discussion Rooms : 02

Media Resource Centre : Reprographic, Printing and Document Scanning facility

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

- A Research centre on data mining & image processing was created in collaboration with BTBP, USA. The faculty & students work at this centre and carry out their research works

<u>Year</u>	<u>No. of Students Registered</u>
2013-14	06
2012-13	08
2011-12	04

- Infosys Campus Connect programme

Collaborative research projects taken up during last 4 years

Sl. No.	Year	No. of Programmes conducted	No. Students benefited
1	2014-15	2	120
2	2013-14	2	120
3	2012-13	1	60
4	2011-12	2	120

Certificate programmes taken up during last 4 years

Certification Programme	Technology	No. of Students completed	No. of Faculty completed
Microsoft Technology Associate(MTA)	Cloud with .Net	120	2

### 3.4 Research Publications and Awards

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

- \* Patents obtained and filed (process and product)

No

- \* Original research contributing to product improvement

No

- \* Research studies or surveys benefiting the community or improving the services

No

- \* Research inputs contributing to new initiatives and social development

No

#### 3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board,

publication policies and whether such publication is listed in any international database?

Yes.

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

Sl. No.	Activity	During			
		2013-14	2012-13	2011-12	2010-11
1	Publication by faculty	12	33	31	6
2	Papers published by faculty & students	--	--	--	--
3	No. of publications listed in International Data Base	--	--	--	--
4	Monographs	32	37	28	28
5	Chapter in Books (Manuals)	--	--	--	--
6	Books edited	--	--	--	--
7	Books with ISBN / ISSN	--	--	--	--
8	Citation Index	10	17	21	2
9	SNIP / SJR	--	--	--	--
10	Impact Factor	7	12	12	2
11	H-Index	4	7	12	2

3.4.3 Give details of publications by the faculty and students:

#### SUMMARY OF PAPER PUBLICATIONS BY FACULTY

Dept.	Journal Publications	International Conferences	National Conferences
A.Y:2013-14			
EEE			
ECE	2		
CSE	3		
ME	3		1
CE			1
MCA		1	
A.Y:2012-13			
EEE	9		
ECE	10		
CSE	5		1
ME	3		
CE			1
MCA	3		
A.Y:2011-12			
EEE	2		
ECE			12

CSE	8	2	1
ME			1
CE			
MCA			
A.Y:2010-11			
EEE	3		1
ECE	1		1
CSE	2		
ME			
CE			
MCA			

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

\* Research awards received by the faculty

Best Paper Award by Mr. M. Prasad from CMR College of Engineering, Hyderabad.

- Mrs. P. M Prasuna received Best Teacher Award from JNTUK in 2009-10.
- Mr. M. C S Madhan received Best Teacher Award from JNTUK in 2010-11.

### 3.5 Consultancy

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

As mentioned earlier in 3.3.3 the Institution established Industry collaborations for getting assistance in placements as well as research activities for the students, invite companies for conducting campus placements. The cell continuously coordinates with the various industries and organizations for placement of the students. It lies with the corporate sectors and helps in developing the industry-academic inter-relationship.

The Placement Officer is actively involved with various corporate sectors to undergo a Memorandum of Understanding for the placement of students every year. The Training and Placement Officer makes regular visits to various companies, on an all India basis, to project the capability of the students' skills to fulfill the requirements of the

corporate world.

Our college has exclusive agreement with companies like JKC, Globarena, Talent Sprint, etc for the placements. The institute keeps in touch with the passed out students of the college who are presently working in the companies. These students are also very helpful in arranging the visits of the companies for placements.

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

The Institute has a consultancy cell, which includes the experts of all the departments; those counselors provide guidance to select the appropriate stream in which they are having interest and bright future. The Institute encourages its teachers to take consultancy and R&D assignments within Institution, with other institutions or Industries, appropriate to the teachers' competence. The Institute permits its teachers to take up teaching assignment with other educational institutions subject to the conditions.

If any consultancy done by the faculty, 30% of the consultancy amount will be given to faculty. The remaining amount will be used for facilities and maintenance. The Institute has a Placement Cell and Training and Placement Officer (TPO) forms a liaison with various companies/Industries regularly, so as to select the best visiting companies and representative of the Industries. The Students get absorbed as per their ability and awareness to meet the standards of recruiting agency. The information of the students selected is displayed by pamphlets; flexes of the college and our college site also include the names of the students who are being placed in various companies.

The institute has entered into an MOU with Talent Sprint, Smart, Globarena, JKC, BTBP and TIMES for seeking their help in industry institute interaction to facilitate consultancy.

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

The Institute makes every effort to encourage the staff for utilization of all human resources, intellect and available facility in the campus to promote liaison with industries/companies so as to thicken the ties between the two in a very flexible manner by which the consultancy services gets fruitful results. The college motivates the professionally qualified faculty to utilize their expertise for consultancy services with the permission of the institute. This helps in promoting liaison with industry/companies. In return, the students get an opportunity to visit these companies and the placement process is, thus, facilitated.

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

S. No	Year	Project Name	Dept	Customer
1	2012-13	Online Feedback System	CSE	BVC ES
2	2012-13	Mid Marks Evaluation	CSE	BVC ES
3	2011-12	Speech Enhancement	ECE	BVC ES

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

The institution is giving priority to distribute the revenue generated among the staff involved in the consultancy work to the major extent. Only cost of electricity, wear and tear of the equipment and consumables if any are given to the institution.

If any consultancy done by the faculty, 70% of the consultancy amount will be given to faculty. The remaining amount will be used for facilities and maintenance.

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

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



The institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated a number of community development activities.

The various programs are organized through NSS:

- The institution encourages the students and staff to participate in blood donation camps.
- The students actively take part in tree plantation programs in and outside the College.
- The students of the college regularly take an active part in arranging contributions during calamities such as floods, earthquakes, cyclones, etc. in and out of the state.
- The student also participate in organizing programs to bring awareness among the public in neighboring areas on matter like prevention of AIDS , spreading of deceases, removal of illiteracy and environment protection.

S. No	Activity	Date of Activity	No.of students participated / Beneficiaries
2010			
1	World Environment Day celebrations	5-06-2010	100
2	World Population Day Celebrations	11-07-2010	80
3	Independence Day Celebrations	15-8-2010	100
4	Mother Teresa Anniversary Day Celebrations	26-8-2010	100
5	Teachers Day Celebrations	05-09-2010	90
6	Engineers Day Celebrations	15-09-2010	100
7	NSS Foundation Day Celebrations	24-09-2010	100
8	Gandhi Jayanthi Celebrations	2-10-2010	70
9	Anti Ragging Drive	6-10-2010	100
10	Mass tree plantation Program	30-10-2010	100
11	Fresher's Day Celebrations	16-12-2010 to 18-12-2010	10
2011			
12	Youth Day Celebrations	12-01-2011	100
13	Sankranthi Sambaralu	13-1-2011	100
14	Republic Day Celebrations	26-1-2011	80
15	Blood Donation Camp	18-03-2011	75
16	Ugadi Sambaralu	31-03-2011	100

17	NSS Foundation Day Celebrations	24-09-2011	100
2012			
18	National Voters Day Celebrations	25-01-2012	250
19	NSS Special Camp	06-02-2012 to 12-02-2012	50
20	Eye Donation Awareness Rally	25-08-2012	400
21	Mother Teresa Anniversary Day Celebrations	26-8-2012	100
22	NSS Foundation Day Celebrations	24-09-2012	100
2013			
23	Vivekanda Birthday Celebrations	2013	250
24	Sankranthi Sambaralu	13-1-2013	400
25	NSS Special Camp	21-03-2013 to 27-03-2013	150
2014			
26	Blood Donation Camp	11-07-2014	500
27	Fire Accident at Peruru, Amalapuram Distributed Rice Stainless Steel Drums	09-07-2014	100
28	Mother Teresa Birth Day Celebrations	26-07-2014	150
29	N. S. S Foundation Day: Conducted an awareness day on Eye care. Plantation of trees.	24-09-2014	300

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

The institute is committed to attract students for participating in various social activities by ensuring consistent encouragement and motivation. A special mention can be made of Staff Welfare & Charity Fund, Red Cross Society, Service Socket(ECE), CARE(CSE), MTEEEESA(EEE):

- Helping hand to poor and needy people by CARE.
- Extending MTEEEESA services to MR Schools and blind school.
- Providing financial support to Hari ManoVikasa Kendram, Amalapuram by Service Socket.
- Need-based extension activities are conducted through different associations/committees and NSS.
- Blood donation camps are organized by Red Cross Society.
- Personality development programs are conducted regularly.

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

The goals and objectives of the College are prominently displayed in the Information Bulletin given to the students at the time of admission. The Institution web site provides adequate space to these goals. They find place in all the offices of the college, library and other major buildings of the college. Immediately after admission the students are made aware of these goals and objectives by conducting orientation program. The institute has evolved a stakeholder web by forming different platform like Alumni, Departmental Associations with a fair representation of Students. The institute conducts parent meets at regular intervals. HR meets are also conducted to elicit views of the industry. The college Academic Committee in the planning process considers feedback collected from the entire stakeholder to prepare perspective on development. These developments prospective will be discussed in the respective committee. The reflection off the meeting will be incorporated in the plan. The management has developed evaluation tools for stakeholders to record their opinion, suggestions and objection for constructive developments for future. Institute is highly concerned with its stakeholder i.e. includes students, parents, staff, alumni.

#### Students:

- We value the opinions and needs of our students.
- One students of each Class is nominated as Representative. He/she communicates student's requirements and problems to the respective teacher/ head of department/ Principal. Students can also directly communicate with their mentors.
- Suggestion Complaint box is placed on the campus which is accessible to students.
- Students have the freedom to approach the HOD /Principal during working hours without prior appointment.

**Parents:**

- Teacher/ head of department/ Principal interact with guardians regularly.
- They are informed about their wards academic performance and attendance records through meetings, letters and phone calls.
- Direct interaction of the guardians with the H.O.D. is also encouraged.
- Opinion of parents is considered with respect to various aspects such as planning of industrial visits, cultural programmes etc. are valued.
- Parents of any student are allowed to meet the teachers, Coordinators and Principal on any day of the week at any time to make any suggestions or complaints.

**Staff:**

- We have regular staff meetings to keep the staff updated about changes and developments of the institute.
- Most of the decisions are taken only after consultation with the staff during staff meeting.

**Alumni:**

- We have constituted an alumni Association with a Professor In-Charge. The association organizes meetings and has regular formal and informal interactions wherein any alumnus is free to give their suggestions.

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

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

The Institute is incessantly organizing a number of outreach activities which relate to academic, social, cultural, community service, adventure etc and all culminating in building a healthy society contributing to nation building. The college with the help of many voluntary organizations and NGOs organizes the outreach programs. The institute has conducted several blood donation camps and tree plantations. The expenditures for the same are generally borne by such organizations but over and above if need arise; it is reimbursed by college. In the past 4 years the following extension and outreach programmes have been conducted by the college:

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

The college under takes wide spread cross-curricular enrichment activities through NSS Red Cross Society other forms of community development activities. During admission and orientation, the representatives of these units apprise students on the benefits and scope of the extension activities. The detail of the program is displayed on the notice board and an interaction of students is organized with NSS officer and Youth Co-coordinator of the college

The institute has made a conscious effort to promote social justice as a value in learning process and administrative interactions. The institution sincerely practices state social affirmative schemes introduced by the government for the up-liftment of higher education to under privileged communities. The college Social Service unit has been organizing blood donation camps in the college. The students along with the college faculty have visited the orphanage. Extra facilities are given to

differently-abled students. The college faculties along with the students have been visiting the local slums and the blind home where and take up charity activity

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

The institute has made a conscious effort to promote social justice as a value in learning process and administrative interactions. The institution sincerely practices state social affirmative schemes introduced by the government for the up-liftment of higher education to under privileged communities. The college Social Service unit has been organizing blood donation camps in the college. The students along with the college faculty have visited the orphanage. Extra facilities are given to differently-abled students. The college faculties along with the students have been visiting the local slums and the blind home where and take up charity activity

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

**Objectives:**

Extension activities conducted by the institute always imbibe academic learning experience, values and skills not only in students but faculty too. These activities refresh the environment of the institute as well. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. The college is established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values. To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating manpower with high degree of

intellectual, professional and cultural development to meet the national and global challenges.

Outcome:

The results of the participation in the various socially relevant activities have resulted in inculcating the feeling of being socially awakened citizens in the students. The students who have been a part of this process have been spreading awareness in the institution and motivating other students as well to stand tall for the cause of social upliftment.

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

The institution is roping in communities to actively participate in all the extension activities. This has contributed to both community- institution networking and development of institutions.

- The local villagers are initially consulted and the youth of the villagers are made to involve in all the NSS activities.
- Extensive support from the students are witnessed during tree plantation, blood donation etc. the alumni association is also involved in all these extension activities.
- The institution has taken the initiative to make aware the society about social and health problems like female foeticide, dowry system, environment protection, consumer protection awareness, anti corruption, HIV awareness, anti tobacco and cleanliness awareness etc.
- Time to time survey is conducted to check the feedback and improvement in society. Seminars, individual discussion and group discussion are made to solve these problems.
- In NSS Special camp the following are the day to day events held

S. No	Name of the event
1	Data Collection for illiteracy people
2	Clean and green Programme
3	Plantation Program
4	Free general medical & Eye Check up camp

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

The institution has constructive relationships with other institutions of the locality. The blood donation camps are organized at regular intervals with the help of Red Cross Society. The NSS co-ordinates all its activities under the norms of the University. The unit organizes tree plantation, village cleanliness, and Awareness activities like, Plantation, Pollution, and Traffic.

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

-No-

### 3.7 Collaboration

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

As it has been stated earlier, the college has been running UG and PG courses for a long time. Hence the research activities at the students' are high especially B.Tech and M.Tech students for their project works.

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



The Institution is made MOU's with many Universities and Industries in India for developing the research promotional activities for the students and also the faculty community. The below is the list of the collaborations

- Globarena Technologies, Hyderabad,
- Talent Sprint, Hyderabad etc.,

Contribution to the development of the institution:

- Aware of latest Trends, Technologies & Machines.
- Hands on experience on latest Technologies, Machines.
- Students got benefits in getting employment.
- Students got interest to go to the Higher Studies.
- Reduced the gap between Academics & Industry.

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

Interaction with eminent personalities from various reputed universities and industries is very useful for the creation of establishing better academic facilities for staff and students. As stated above the firms are providing assistance in all the problems which are related technically and theoretically. The labs are being upgraded for the upkeep of latest electronic equipments, computers etc. The placements process got a boost by such interactions.

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

Dr. G. S N Raju, VC, AU, Visakapatnam

Dr. N. S Murthy, Dean - Planning & Development, NIT, Warangal

Dr. K. Satya Prasad, Principal, JNTUCE, Kakinada

Dr. B. Prabhakara Rao, Director- Admissions, JNTUK, Kakinada

Dr. B. V L V N Somayagulu, Professor & HOD, CSE, NIT, Warangal

Dr. J V R Murthy, Director, JNTUK, Kakinada

Dr. L. Sumalatha, Professor, & HOD, CSE, JNTUCE, Kakinada

Mr. M S R K Prasad, AGM, NFCL, Kakinada

Mr. V. Phanindra, DM, NTPC, Simhadri Plant, Vizag.

Dr. K. Siva Kumar, Asst Prof, IIT, Hyderabad

Dr. Ch. Sai Babu, Director, JNTUK, Kakinada

Dr. R. Kameswara Rao, Assoc. Prof, JNTUCE, Kakinada

Dr. Arjun Kumar Dungana, Tribhuvan University, Nepal

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

- a) Curriculum development/enrichment -No-
- b) Internship/ On-the-job training Talent sprint.
- c) Summer placement -No-
- d) Faculty exchange and professional development  
Globarena Technologies, Talent Sprint
- e) Research
  - BTBP, USA

- f) Consultancy
  - Globarena Technologies, Hyderabad,
  - Talent Sprint, Hyderabad,
- g) Extension -No-
- h) Publication -No-
- i) Student Placement
  - TechMahindra
  - Hidden Brains
  - Effoctronics
  - Infosys Ltd.
  - Kubera Technologies
  - BTBP etc....
- j) Twinning programmes -No-
- k) Introduction of new courses : YES
- l) Student exchange -No-

### 3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

Planning: We are planning to tie-up with Tata Consultancy Services.

Establish: The institute has entered into an MOU with Talent sprint, BTBP who intern will help the institute in industry-institute collaboration for research and consultancy work.

## CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

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

- The College has established policies and procedures to create and continuously enhance the infrastructure in the form of human resources (Faculty, Technical and Administrative staff), laboratory equipment, built-up place, learning resources, (print and electronic and teaching learning aids) by keeping the following objectives in view to promote Teaching Learning process directly and indirectly.
  - To provide sufficient, good, airy academic and supporting spaces for effective teaching and learning.
  - To have conference halls, faculty cabins, digital library for effective teaching and learning.
  - To use ICT for academic processes including Teaching & Learning
  - To provide access to internet to students and faculty members.
  - To develop class rooms, tutorial halls, departmental and central library and contents to meet the changing requirements of teaching learning.
  - To develop labs as per curriculum requirement and also beyond the curriculum.
  - To promote learning materials like Charts, Write Ups, Multimedia, Models, Virtual labs for enhancing the teaching learning
  - To provide amenities like canteen, transport, playgrounds etc.
- The needs analysis of the required infrastructure is planned by

various academic departments and annual budget is prepared. After getting approval from the Governing Body, it will be deployed to the departments and they are made available to teachers and students to carry on curricular and non curricular activities.

The following guidelines shall be followed to finalize the purchase procedure:

- HoDs will submit their budget estimations for the next year by Jan 31.
- Budget allocations will be intimated to the departments / sections concerned.
- HODs will call for quotations for the items of the equipments and prepare comparative statements.
- A purchase Committee consisting of two representatives of management, Principal and HOD concerned will finalize the indent for placing order.
- The purchase order shall be placed by the Principal and Secretary & Correspondent
- No advance shall be paid at the time of purchase order and payment shall be paid after satisfactory installations and testing. The HOD will certify the above
- However, when an advance is required to be paid at the time of purchase order, pros & cons will be duly weighed and decision will be taken.
- After receiving the equipment along with the bill, the department will test and verify as per specifications mentioned in the purchase order. If the department is satisfied with the equipment, the bills will be passed after duly entering into stock registers with necessary initials and the bills will be sent to the office for payment.

- The office after the receiving the bills shall enter them in the central stock register and pay the bills.
- The department shall maintain one purchase register, and separate stock registers for recurring and non-recurring items for each laboratory.

#### 4.1.2 Detail the facilities available for

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

Details of classrooms, tutorials, seminar halls, library and laboratories:

Particulars			Number of Rooms
Class Rooms	UG	B.Tech	29
	PG	MBA & MCA	08
		M.Tech	06
Tutorials			09
Drawing Halls			02
Seminar Halls	UG	B.Tech	05
	PG	MBA & MCA	02
		M.Tech	01
Conference Room			01
Computer Centre			01
Library			01
Grand Total			65

#### Classrooms:

- The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.
- Class Room are spacious and ergonomically designed so that proper ventilation, lighting is provided with good acoustics.
- Better Aspect ratio is maintained for proper visibility of glass board and audibility. All the class rooms of individual

departments are at close proximity in order to have better access for the students.

#### Technology enabled learning rooms:

- Each department in the college is provided with technology enabled e-classroom to facilitate engaged and active learning.
- Each room has a seating capacity of 60 and provided with LCD projector, Wi- Fi enabled internet connectivity, public addressing system etc.
- The Classrooms are also ideal for small seminars and workshops where the audio-visual facilities available help make presentations with a greater impact.

#### Seminar Halls:

- The college is having a well designed seminal hall to conduct conferences, workshops and symposia for students and faculty.
- The seminar hall has a seating capacity of 200 and is fully air conditioned. It is equipped with LCD projector, LCD screen, white board and public addressing system.

#### Tutorial classrooms:

- Each department has tutorial classrooms to conduct tutorial classes to address the personal level doubts and queries of the students.
- Tutorial class is equipped with glass board, wooden benches, fans, windows for air circulation and ventilation and tube lights for proper lighting

#### Laboratories:





- All laboratories are well equipped, and well maintained not only for carrying out curriculum-oriented lab practical but also

to carry out research activities.

Specialized facilities and equipment for teaching, learning and research:

- The college has exclusive English communication skills lab with 60 numbers of Pentium IV systems and licensed software's like English Language Lab Globarena, K- Van Multimedia English Language Lab
- Apart from the central library, each department is having separate department library with good collection.
- The college has provided web-based materials and NPTEL video lectures by IIT teachers on 200 subjects, subscribed to INDEST-AICTE consortium IEL online material in the library for the use to both students and faculty.
- E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual class room learning.
- For self learning, reference books for all the subjects are available in the central library.
- Co-operative Learning facility is provided in Central Library where students learn in mixed ability heterogeneous groups on academic tasks, discussion rooms are provided with network facility for this purpose.
- To promote the research activities, the college has established an research centre.



	
Library Block	Book Racks
	
Reference Section	Digital Library

#### 4.1.2 Detail the facilities available for

- a) Curricular and Co-curricular Activities - classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.
- b) Extra-curricular activities: sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Sports, outdoor and indoor games, gymnasium:

- BVC ITS strikes a balance between the axioms Knowledge is Power” and “Health is Wealth”.
- The college promotes sports and games and offers the

individual an opportunity to enhance self knowledge, expression, personal development, courage and social interaction.

- To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college.

Students of all departments participate and prove their talents.

Facilities	Number Available
Volleyball Court	02
Throw Ball Court	01
Tennicoit Court	01
Shuttle Badminton Court	02
Kabbadi Court	02
Chess Boards	10
Carom Boards	10
Table Tennis Boards	01

- One full time qualified Physical Director was appointed to look after the day to day games and sports activities of the college
- The outdoor games such as volley ball, cricket, tenni coit etc. are also provided.
- A separate indoor games facility for playing shuttle, table-tennis, caroms and chess, is provided and it is being used by the students regularly.
- A new Amenities building is constructed and the facilities like Canteen, Games room, Gymnasium and Recreation & waiting halls for both girls and boys separately are in place. The institute has a separate indoor stadium in the campus.

NSS:

- The College has a NSS Unit with a total strength of 150 members, affiliated to J.N.T.U.K, Kakinada.

- The unit was established with an objective to cultivate the attitude of social service in the minds of students and to make them into responsible citizens.

#### Cultural Activities:

- The college encourages and lends a helping hand to develop the innovative talents of students in cultural activities by providing departmental associations, Literary Club, Dance club, siniging club, laughing club etc.
- As part of this, the college encourages participation of its students by Sponsoring them to various literary and cultural meets.
- Departmental Associations conduct events aimed at overall development of the students.
- Institution has provided literary and cultural rooms with needed audio visual equipment to conduct various activities for students.
- The institution organizes several cultural events like rangoli competitions, mehandhi competition, traditional food preparation and traditional dance competitions, kites and bangles competetions on the eve of independence day ,sankranthi celebrations,ugadhi celebrations.
- The Institution organizes a two day national level technical symposium “EVINCE-2K11” and conducts several competitions like technical paper presentation,poster presentation,technical quiz, and cultural competetions like singing,dancing, miovie making and Literary Activities
- The Institution organizes ” A two day national level youth fest- “HORIZON-2K13” and conduct several compitetions like

singing,dancing,skits,movie making,mimicry activities Sports and Games Activities, Literary Activities. During -“HORIZON-2K13” Celebrities will be arranged in Dance,Mimicry etc



HORIZON 2K13 CULTURALS & CELEBRITIES



PRIZE DISTRIBUTION



LAZER SHOW

Communication Skills Development:

- The college has separate English language communication skills laboratory provided with 60 numbers of Pentium IV systems and licensed software's like English Language Lab Globarena, K- Van Multimedia English Language Lab.
- The focus is on training the students speak fluent, intelligible, appropriate, and functionally correct English through coaching in

phonetics, role plays, describing exercises and debates.

- Advanced communication skills laboratory focuses on reading and writing skills and integrating these with speaking, listening and other intra and interpersonal skills.
- Keeping in view of the growing importance of Soft Skills, the training and placement department is imparting Soft Skills to the student's right from I Year onwards. Along with regular subjects, a separate session is allotted to each branch for training on aptitude, verbal and soft skills.

Health and hygiene:

- The college maintains a medical centre with a qualified doctor visiting generally twice in a week and in case of urgency on all working days, and supported by one full time sub staff.
- Ambulance service is provided
- College buildings are being maintained ensuring maximum levels of safety and hygiene.

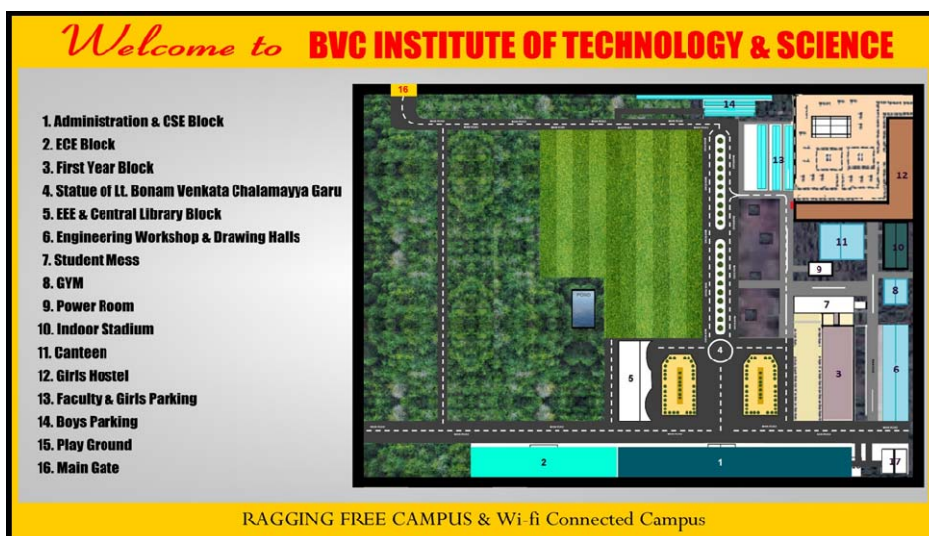
4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus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

- Institute develops the infrastructure as per the norms of AICTE, University and State government.
- The experts from the regulatory authorities regularly visit the Institute.
- This enables the Institute to ensure the infrastructure adequacy and optimum use for academic growth.



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

Particulars	2013-14 Expenses	2012-13 Expenses	2011-12 Expenses	2010-11 Expenses
Acquisition Of Land, New Building And Infrastructural Built Up	597839	1481028	9196728	14402907
Library	711690	665413	1811931	827431
Laboratory Equipment	150035	395670	2418555	1000209
Laboratory Consumables	260370	305658	209318	392968
Teaching And Non-Teaching Staff Salaries	26327839	21162148	19934629	17414248
Transport And Travelling	9400944	5641167	5087927	7202577
Training And Placement	551698	322947	719878	108612
Furniture	38950	8500	436790	1554508
Electrical Maintenance	1963349	1781750	2006262	2886700
Student Activities	774585	870733	589240	4175350
Staff Activities	929320	229340	110021	22488
Stationary And Printing	1001936	959793	1114773	456516
Internet	193576	190305	153898	275819
Miscellaneous & Other Expenditures	18637083	5513771	2031019	973004
<b>Total Amount</b>	<b>61539214</b>	<b>39528223</b>	<b>45820969</b>	<b>51693337</b>



## Infrastructure details of the Institute:

S.No	Name of the Building			Area	
				in sft.	in sq.m
1	Main Block	i	Ground Floor	12822.00	1191.19
		ii	First Floor	12822.00	1191.19
		iii	2 <sup>nd</sup> Floor	12822.00	1191.19
		iv	3 <sup>rd</sup> Floor	12822.00	1191.19
2	ECE Block	i	Ground Floor	9696.00	900.78
		ii	First Floor	9288.00	862.76
		iii	2 <sup>nd</sup> Floor	9288.00	862.76
		iv	3 <sup>rd</sup> Floor	9288.00	862.76
3	1 <sup>st</sup> Year Block	i	Ground Floor	7992.00	742.47
		ii	First Floor	7992.00	742.47
		iii	2 <sup>nd</sup> Floor	7992.00	742.47
		iv	3 <sup>rd</sup> Floor	7992.00	742.47
4	Mess Block	i	Ground Floor	5568.75	517.34
		ii	First Floor	4350.00	404.12
5	Library Block	i	Ground Floor	9503.00	882.85
		ii	First Floor	9635.00	895.11
		iii	2 <sup>nd</sup> Floor	9525.00	884.89
		iv	3 <sup>rd</sup> Floor	9182.00	853.02
6	Ladies Hostel	i	Ground Floor	5568.75	517.34
		ii	First Floor	4350.00	404.12
7	Boys Hostel			2583.30	240.00
8	Cafeteria			3552.00	330.00
9	Medical Centre			277.60	25.79
10	Stores Room			559.72	52.00
11	Generator Room			559.72	52.00
12	Parking Sheds			1800.00	167.23
13	Indoor Stadium			3552.00	330.00
14	Work Shop			7722.00	717.00
15	Gym Room			1297.70	120.56
Total Built-up Area				200402.54	18617.07



ECE Block



Administrative Block



Library Block

1<sup>st</sup> Year Block

## Future Planned Expansions:

- New block with 24111 sq.ft. is under construction

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

- The college has taken care of physically disabled students.

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

**Hostel Facility:**

Hostel facility is available for girls and limited facility is available for boys

Description	Girls	Boys
Land Location	College Premises	College Premises
No. of Buildings and No. of Floors	1 - 2	1 - 1
Total floor area in sq.m	921.46	240.00
Whether internet is provided	Yes	Yes
Whether Wi-fi is provided	Yes	Yes

**Recreational facilities, gymnasium etc.**

- Amenities' building is constructed and the facilities like Canteen, Games room, Gymnasium and Recreation hall for girls and boys separately are in place.

**Computer facility including access to internet in hostel:**

- Internet connectivity with a total of 14 Mbps band width is provided.
- All the computer systems in the college are on LAN.
- Computing facilities are made available to the students through Wi- Fi enabled facility.
- Hostel students can access internet through Wi - Fi

**Facilities for medical emergencies:**

- The college maintains a medical centre with a qualified doctor visiting generally twice in a week and in case of urgency on all working days, and supported by one full time sub staff.
- Ambulance service is provided.



#### 4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- Students and staff are provided with free medical checkup, examination and treatment at health care centre in the campus.
- Ambulance service is provided

#### 4.1.7 Give details of the Common Facilities available on the campus

- Grievance Redressal unit:

The composition of the complaints-cum-grievance redressal committee shall be:

- Headed by senior Faculty member
- Heads of All departments
- A senior lady staff member from each department (if available)

#### Functions:

- To enquire into the complaints received from the aggrieved students including ragging.
- To recommend to the principal for appropriate action.
- Counseling and Career Guidance:
  - Counseling and Guidance Cell provides training to students on personality development skills.
  - Students will be counseled at least once in a fortnight.
  - Every Counselor will be associated with 20-30 students. The Counselor will discuss with the parents of the wards, if needed, all proceedings of the counseling shall be recorded and signatures of participants shall be taken.

- Cell conducts Orientation programmes to students by external agencies for educating them on their career building and higher education.
- The cell is headed by coordinator, Student Affairs and comprises members from various departments.

#### Objectives of the Cell:

- To create self confidence among students
- To conduct frequent interactive sessions with students
- To clear the doubts related to academic matters of the students
- To create social interactions and compatibility among the students

During the first three months of admissions, this cell functions under the name Counseling and Guidance Cell for new students and encourages the new students in seeking its help.

#### ➤ Placement Unit:

- The Training and Placement cell was established with an objective of training the students on aptitude, verbal, puzzle solving and soft skills to make them more employable and providing placements to all students.
- The department is headed by full time TPO with supporting staff members.

#### Functions:

- Preparing the database of the eligible students from all the departments and organizing various training programmes by internal trainers and training by external agencies.
- Inviting the experts from industry to deliver lectures on various technologies at regular intervals to the students.

- Organizing On-Campus and Pool-Campus Drives for the eligible students.
- Obtaining feedback from the industry and facilitate to incorporate the required topics in the subsequent training programmes etc.
- T&P Cell formulated a committee with a faculty coordinator from each discipline and a student coordinator from each section. This committee discusses various training needs as per industry norms, testing patterns and employment opportunities.

#### Health Centre:

The college maintains a medical centre with a qualified doctor visiting generally twice in a week and incase of urgency on all working days, and supported by one full time sub staff.

- One State Government Area Hospital and many reputed Private Nursing Homes exist in the Amalapuram Town within a distance of 3 km from the college

#### Canteen & Mess:

- Hygienically maintained Mess & Canteen facility with 1251.46 sq.m is available in the campus with a seating capacity of 200 and daily usage is 1000.

#### Recreational spaces for students:

- Recreation halls for both girls and boys separately are provided in the department blocks.

#### Safe drinking water facility:

- Purified water is supplied to all academic blocks, canteen and hostels.
- Storage capacity : 1000 litres SS container

- Filtration Capacity : 1000 litres/hr
- Treatment : Reverse Osmosis Plant (Indo
  - American Water System)
- Usage water Storage tanks
  - : 7 no with a total capacity of 99000 liters
- Drinking water Storage tank
  - : 2 numbers with a total capacity of 1000 liters
- Water availability in hostel : 24 hours
- Method of distribution of water : Academic Premises
  - 6 water coolers
- Hostels - 1 water coolers

## 4.2 Library as a Learning Resource

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

- The library has an Advisory Committee.
- The committee is intended to plan and coordinate the execution of the requisite procedures for the functioning of the library.
- It takes up the process of identifying, planning, and procurement of the books, journals, manuals, magazines for digital library etc.
- It ensures the up gradation of the library to keep pace with the technological developments.

Composition of the Advisory Committee: The library advisory committee comprises of

1. Principal - Chairman
2. Convener
3. Staff Members from each department
4. One Student from each Department

Significant Initiatives of the Committee:

- The committee monitors the allocation of funds for the books, journals, manuals etc. and the digital processing of information, including on-line journals.
- It also expected to monitor the student and staff utilization of the library.
- The committee shall take into consideration all the procurement criteria, and rules and regulations of the library management, including cataloguing and access - administration.
- The committee shall look into the indents of the departments and the purchase mechanism with multiple volumes wherever necessary.

The committee is expected to submit the minutes of its meetings along with observations, suggestions, if any and resolutions to the College Management Committee for further processing. The chairman and the members of the committee shall undertake all the operations in coordination with the Librarian and other Library personnel.

The following items fall under the purview of the committee.

- Ascertaining the number of books and journals available in the library

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

#### 4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.) : 800 Sq.Mts
- Total seating capacity : 200
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation) :
 

On working days	: 8.00 AM to 8.00 PM
Holidays	: 9.30 AM to 12.30 PM
Examination days	: 8.00 AM to 8.00 PM
During Vacation	: 9.30 AM to 4.30 PM

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

*Ground Floor:* Text book section, Circulation section, discussion rooms, Reading Rooms, Book bank, Back Volumes, Project Reports and Media Resource Centre, News Papers & OPAC.

*First Floor :* Reference section, e-Learning centre, print and online Journals, Magazine & Periodicals section.



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The Library advisory committee reviews the requirement received from various departments and recommends the same to the college management committee for further processing. The Institute gets the all reading material well in advance of the commencement of academic year.

Library holdings	2013-2014		2012-2013		2011-2012		2010-2011	
	Numb er	Total Cost	Numb er	Total Cost	Numb er	Total Cost	Numbe r	Total Cost
Text books and Reference books	1192	235394	1215	381360	1536	367118	2915	568159
Journals/ Periodicals	48	26000	48	27000	48	26000	48	25000
e-resources	191	450296	191	450296	191	1037419	191	78000

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

➤ OPAC

An OPAC (Online Public Access Catalogue) has been created and provided to facilitate staff and student access.

➤ Electronic Resource Management package for e-Journals

Subscribes to AICTE Mandatory E-Journals like IEEE, ASME, DELNET, McGraw-Hill and ASTM Digital Library. These e-resources are IP enabled can be accessed anywhere in the college.

➤ Federated searching tools to search articles in multiple databases

A web based search engine is available to search articles in multiple databases and it is an emerging feature of automated, Web-based library and information retrieval systems.

➤ Library Website

Library information is available on Institute website.

➤ In-house/remote access to e-publications

Both Faculty and students can access to e-Publications like E-journals, E - books and NPTEL Resources through LAN or Wi-Fi connectivity because of all E - Resources are IP enabled can be accessed anywhere in the college.

➤ Library Automation

All the data relating to the Library is computerized and bar coding has been introduced.

➤ Total number of computers for public access

35 computers are available for public access in library



- Total number of Xerox cum Printers for public access

Two Xerox cum Printers are available for public access in library

- Internet band width/speed

Internet band width in the library is 14 Mbps

- Institutional Repository: Yes

- Content management system for e-Learning

E-Journals like E-Journals like IEEE, ASME, DELNET, McGraw-Hill and ASTM Digital Library and NPTEL Web Courses, Video Courses NPTEL, MIT, Stanford, Harvard and Learning ware Materials for Engineering Programme.

- Participation in Resource sharing networks/consortia (like Inflibnet)

DELNET

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

Average number of walk-ins	: 600
Average number of books issued/returned	: 500
Ratio of library books to students enrolled	:
Average number of books added during last	:
Average number of login to OPAC	: 50
Average number of login to e-resources	: 150
Average number of e-resources	: 50
Details of “weeding out” of books and other	: 100

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

- Manuscripts : Yes
- Reference : Yes
- Reprography : Yes
- ILL (Inter Library Loan Service) : Through DELNET

- Information deployment and notification: Library deploy information in the form  
  
of video courses, web courses, question banks, department exercises, notes,  
  
project reports, case studies and university question papers
- Download : Yes ( E- Journals, E- books etc.)
- Printing : Yes
- Reading list/ Bibliography compilation : Yes
- In-house/remote access to e-resources : Yes
- User Orientation and awareness :  
  
orientation and awareness seminars are organized for library staff, students and faculty members
- Assistance in searching Databases : Yes
- INFLIBNET/IUC facilities : DELNET

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

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

- Library staff issue books, journals, new arrivals to the students and faculty
- Library is open beyond institute hours for students
- Library has well furnished students study center with a capacity of 200

- Call facility for demand on book is available in library
- Book bank facility is available to the students
- Library staff displays the important media notifications
- Library organizes book exhibition for student & staff
- Duplication/Reprographic facility is available in library
- Downloading and preserving the hard copy of study material
- Issue of books to departmental library
- Special rights are given to faculty/students to access the e-Journals, Periodicals & Reference books
- Book bank scheme is provided to the students
- To facilitate the STOP/START mode of e-learning, discussion rooms are established.

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

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

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

- Yes, library collects the feedback from its users
- The feedback is collected from students regularly in a special designed format

- Exit feedback is collected from the students regarding the library facility available in the campus.
- The feedback information analyzed by the library advisory committee is utilized for further improvement of the library.

### 4.3 IT Infrastructure

#### 4.3.1. Give details on the computing facility available (hardware and software) at the institution.

1. Number of computers with Configuration (provide actual number with exact configuration of each available system)

S. No	Configuration	No. of Systems
1	IBM PCP-IV 2.66 GHz 1MB Cache/915 GV Chipset Mother Board 1GB DDR-II AM/ 80GB SATA HDD	70
2	ZENITH PC Intel Mother Board / 40 GB HDD / 256 DDRAM	30
3	ZENITH PC P-IV Processor 1.8 GHz / Intel 845 Chipset Mother Board / 40 GB HDD / 256 DDRAM	31
4	ZENITH PC Intel P-IV 2.6 GHz /Intel 845 GLM Chipset Mother Board / 40 GB HDD / 512 DDRAM	41
5	ZENITH PC Pentium D 2.8 GHz /Intel 865 Chipset Mother Board /80 GB HDD / 512DDRAM	40
6	WIPRO PC Intel P-IV 3.0 GHz /Intel 865 Chipset Mother Board / 80 GB HDD / 256 DDRAM	80
7	ZENITH PC Intel P-IV 3.0 GHz /Intel 945GC Mother Board /80 GB HDD / 256 DDRAM	40
8	ZENITH PC Pentium dual Core 2.2 GHz /G31 chipset /160 GB HDD / 1 GB RAM	126
9	ZENITH PC Pentium dual core E5200(2.5 GHz )/ G31 chipset /160 GB HDD / 1 GB RAM	50
10	ZENITH PC Pentium dual Core 160 GB HDD / 1 GB	60
11	N core thin clients NC-600,L-300,NC-230 and U 170	63
12	Intel Core i3 processor 4GB RAM,500GB HDD	05
13	Intel Atom Processor/ 2GB RAM/ 160GB HDD	30
14	ZENITH PC Pentium dual Core 160 GB HDD / 1 GB	80
15	AMD Atom Dual Core/2GB RAM/ 160GB HDD	10
16	ZENITH PC Pentium dual Core 2.2 GHz /G31 chipset /160 GB HDD / 1 GB RAM	50
Total Number of Systems		806

## Number of Server Computers with Configuration

S. No	Configuration	No. of Systems
1	Server: DELL Power EdgeT110 Xeon Processor	1
2	IBM BO 26165 Xeon 3.0 GHz Processor Dual Tech.7520 chipset M Board/ 1GB DDR2 RAM/SCSI 72X2 HDD/ MM Key Board/Optical Mouse /15" CRT Monitor./ 52X CD Drive	1
3	Compaq ML 150 P-IV 2.4 GHz Processor, Intel Mother Board, 512 MB x 2RAM, 36 x3 HDD MM Key Board/ Mouse /15" CRT Monitor./ 52X CD Drive	1
4	Server: HP 110 Xeon Processor server 4 GB	1
5	HP Proliant ML 150 G6 xeon Processor, Intel Mother Boa	1
Total Number of Server Systems		05

2. Computer-student ratio  
UG - 1 : 4      PG - 1 : 2
3. Stand alone facility:  
30 systems are provided with stand alone facility
4. LAN facility  
All computing labs are provided with LAN facility with 100 mbps
5. Wi-Fi facility:
  - Wi - Fi facility is available in the institute with 54 Mbps speed upto 2.8 Km range and this facility is extended to different locations in and around the campus.
  - The Wi-Fi Network can be protected with a 128 bit WEP (or) WPA security to prevent unauthorized users from accessing the network.
  - Wi-Fi facility is accessed with Laptops in campus at least 60 to 100 on any day in the campus.

## 6. Licensed software

Department	Licensed Software
Electrical and Electronics Engineering	MATALAB 7.14, B2SPICE, E-CAD
Electronics and Communication Engineering	Xilinx 8.1, MATALAB 7.14, CC Studio, MASM, B2SPICE
Computer Science and Engg. / MCA	MS-Office 2003 Prof AE, Red Hat LINUX 9.0 Windows 2003 Server, MS MSDN Alliance 7.0 AE, IBM Rational SEED, Rational Suite (30 user), Borland Turbo C++, Cobol (Softex), Macro Media Mx 2004, Eclips 6.0, Microsoft Dream spark academic package, Kasper sky Anti Virus, Ubuntu, Windows 98, Windows XP, Quick Heal Antivirus.
Basic Sciences and Humanities	Globarena Technologies, K - Van Multimedia English Language Lab

## 7. Number of nodes/ computers with Internet facility

- All the systems are provided with internet connectivity

## 8. Number of nodes/ computers with Internet facility

- All the systems are provided with internet connectivity
- Internet service is available for both faculty and students in the campus
- 140 systems are provided with internet facility in the central computing centre
- All the departmental computing centers are provided with internet facility
- 35 systems are provided with internet facility in the central library
- Internet service is provided to both ladies and gents hostel
- The College provides internet facility to staff members at the respective departments in order to access the required study material

from available e-resources and present them as part of their teaching process.

- The Principal's Office, Administrative Office, Examination Section, Training and Placement Cell and Senior Faculty member cabins are provided with internet Facility.
- Wi - Fi connectivity is available in and around the campus
- Un-interrupted power supply is made available in the campus so that the students and staff can access the internet without any interruption

#### Specifications:

- Internet Provider : BSNL, I NET Solutions,
- Total Band width : 14 Mbps
  - 6 Mbps broad band leased line.
  - 8 Mbps - 12 connections of 512 Kbps broad band.

#### 9. Number of nodes/ computers with Internet facility

- All the systems are provided with internet connectivity

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

- Internet service is available for both faculty and students in the campus
- 140 systems are provided with internet facility in the central computing centre
- All the departmental computing centers are provided with internet facility
- 30 systems are provided with internet facility in the central library
- Internet service is provided to both ladies and gents hostel

- The College provides internet facility to staff members at the respective departments in order to access the required study material from available e-resources and present them as part of their teaching process.
- The Principal's Office, Administrative Office, Examination Section, Training and Placement Cell and Senior Faculty member cabins are provided with internet Facility.
- Wi - Fi connectivity is available in and around the campus
- Un-interrupted power supply is made available in the campus so that the students and staff can access the internet without any interruption

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

- Computer systems are upgraded with latest configuration once in Three years.
- Individual up gradation of the computers is taken up as per the need and requirements of the various departments.
- Enough provision is made available in the annual budgets for the procurement of the computer systems.
- Once new systems are procured, they replace with the existing systems as per the requirements of the departments.
- All the computer systems in the campus are regularly monitored by the system administrator and maintenance staff.
- The trouble/problems experienced by the computers in the various laboratories are entered by the lab programmers/technicians in the complaint register which is kept in the central office.
- The maintenance staff will then goes to the respective labs for



identification of the problems and resolves the same at the respective places.

- In case of major problems i.e. replacement of component/part during warranty they are sent to the respective service centers and got replaced at the earliest.

#### 4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Amount spent for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution during last four years:

	2014-15	2013-14	2012-13	2011-12
Amount Spent	2,88,700.00	45,774.00	7,57,980.00	15,18,200.00

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

- The Institution has adequate computer facility for its faculty. Faculty members are provided with computers with internet facility for preparation of teaching/learning materials in their respective departments.
- Each department has its own computing facility based on the curriculum demand. Number of computer laboratories and number of computers in each laboratory vary from department to department.
- The faculty and students can access e - resources available in the library through Wi-Fi facility and also through computing facilities available with each department.
- Adequate Multimedia projectors, OHPs are available within the college for the faculty use.

- Each department in the institute has individual e - class rooms provided with LCD projector, PA system and internet facility.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The institution acts as a facilitator for e-learning material (NPTEL video lectures) and the accession of online lectures of various experts from IITs, NITs and Reputed institutes.
- E-class rooms are provided in the departments for this purpose.

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

YES.

NMEICT bundled 20 \* 512KBPS Internet provides Knowledge Network connectivity with NITs and IITs

#### 4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

- Based on the requirement from head of the departments and the concerned in charges, about 10% of the total budget is allocated for maintenance and upkeep of the facilities like building, furniture, equipment, computers, vehicles etc.

Amount spent for maintenance of facilities during the last four years:

Items	Expenses in 2013 - 14	Expenses in 2012 - 13	Expenses in 2011 - 12	Expenses in 2010 - 11
Building & Infrastructure	597839	1481028	9196728	14402907
Laboratory Equipment	150035	395670	2418555	1000209
Transport And Travelling	9400944	5641167	5087927	7202577
Any other (Administrative, Miscellaneous & Other Expenditures	18637083	5513771	2031019	973004

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

- Matters concerning the maintenance of buildings and infrastructural facilities, including cup-boards in the walls and name plates etc., the HODs or the concerned in-charge will make a requisition to the Principal which will be forwarded to the concerned committee.
- The concerned committee coordinator, on receiving the requisition shall enter the requisition in the register provided for the same.
- After this, he will discuss this with the Principal, Secretary and Correspondent, take their approval and attend to the work at the earliest possible time.
- For items of works costing more than Rs.10, 000/-, he will submit estimates along with quotations.
- Action taken shall be recorded in the register. Requisition should be sent at least one month in advance, except emergencies.
- Regarding furniture, a requisition shall be made to the Principal by the HODs/in-charges; it will be forwarded to Administrative Officer (A.O).
- A.O. will discuss this with Secretary and Correspondent and take necessary action. He shall maintain a register, where he enters the requisitions and records the actions taken.

**Building Hygiene:**

- Sweepers and a supervisor will be allotted for a particular area. Every day the sweeper has to sign in the register to confirm that he/she has done the duty. The supervisor should attest the same.

**Duties of Sweepers:**

- Cleaning of class rooms, corridors, floor cleaning of laboratories, staff rooms and other areas allotted.
- Dusting of furniture and windows in the class rooms and also cleaning of glass boards.
- However, dusting of departmental furniture/ equipment/ machines shall be done by department attendee's and lab technicians.
- Swabbing of corridors
- Clearing cobwebs in the corridors, class rooms and other areas, except department labs.
- Supervisors: Supervisors shall personally supervise the work and lock the class rooms after he is satisfied with the work.

**Toilet Hygiene:**

- Each toilet is to be cleaned four times a day, which should be checked by supervisor concerned. Care is taken in providing exhaust fans, daily cleaning with phenol or detergents, use of naphthalene balls.

**Class Rooms:**

- Use of non-dust chalks.
- Daily sweeping of class rooms.
- Wet cloth cleaning of benches (at least twice a week).
- Black board cleaning (with wet cloth daily).
- Common dust bins are provided at various locations in each floor

**Floors:**

- Daily sweeping and wet cleaning.
- Common dust bins are provided at various locations in each floor

Hods / In-charges shall make complaints regarding hygiene to the Principal, which will be forwarded to the concerned committee for necessary action. concerned committee coordinator shall maintain a register for the purpose in which the complaints and action taken against the complaint are recorded.

*The following registers shall be maintained for the above:*

- requisition form and register
- complaints register and file
- sweepers - log book/log sheets
- scavengers - log book/log sheets
- file for work assignments - sweepers and scavengers.

**Laboratories -Maintenance & Utilization:**

- Preventive maintenance is followed.
- Additional experiments are designed to utilize all the equipment available in the lab.
- Periodical checkups and calibration of equipment in all laboratories.
- Depending on the experiment, one, two or a maximum of three students perform a single experiment with common set of apparatus.
- Stock verification is being conducted in all laboratories every year.

**Computing Facilities-Maintenance & Utilization**

- Computing facilities are provided as per the AICTE norms, even extra computers are provided to meet the practical requirements.

- Internet connectivity with a total of 14 Mbps band width is provided.
- All the computer systems in the college are on LAN.
- Computing facilities are made available to the students through WiFi enabled facility shall be provided.
- The number of computers to be made available will be as per the requirements.
- A team technicians with a faculty in-charge takes care for the maintenance of computers.
- Necessary Licensed software are procured.
- Servers like LINUX, WINDOWS, Web Servers, Database etc., are provided.
- Additional projects are taken up by the students for optimum utilization of the facilities.

#### Library:

- Library is maintained and monitored by Library Committee.
- Library maintenance is computerized and automated with regular/constant up-keeping
  - Individual Departmental Libraries are integrated with Central Library for accessing Digital Learning Materials
  - Regular swabbing of the Library floors, regular cleaning of the racks, up-keeping the quality of the books with needed binding are in place

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

- The departments take the initiative to calibrate the precision instruments for their optimum and assured performance, once in three years
- Faculty members take master readings once in a semester to ensure proper working of the equipment.

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

- The Departments take steps to protect sensitive instruments from mechanical and electrical damage, so that they render optimum and assured performances
- All these instruments are protected from voltage fluctuations and power outages through the use of off-line and dedicated on-line UPS.
- An exclusive 11 KV ,250 KVA Transformer was erected on the college premises with the following particulars:

Particulars	Capacity	Nos.
Transformer	250KVA	1
Main Circuit Breaker	600 amps	1
Bus Bar chamber	3 phase 1000 amps	1
Distribution Panel	300 amps, 300 amps, 400 amps	3
Change over switch	320 amps	2
Change over switch	200 amps	6

#### Generator Power Backup: 3 Generators

- One generator of 125 KVA capacity, o One generator of 82 KVA capacity,
- One generator of 30 KVA are provided for power backup to the campus

### UPS Power BACKUP

- No. of UPS System : 21
- Total Capacity of Power Backup : 63.5 KVA

An exclusive electrical maintenance section works for the college with one maintenance engineer, two technicians and two generator operators to look after the electrical equipment erection, testing and commissioning.

### Safe drinking water facility:

- Purified water is supplied to all academic blocks, canteen and hostels.
  - Storage capacity : 1000 litres SS container
  - Filtration Capacity : 1000 litres/hr
  - Treatment : Reverse Osmosis Plant (Indo American Water System)
  - Usage water Storage tanks : 7 no with a total capacity of 99000 liters
- Drinking water Storage tank : 2 numbers with a total capacity of 1000 liters
- Water availability in hostel : 24 hours
- Method of distribution of water : Academic Premises - 6 water coolers
- Hostels - 1 water coolers



## CRITERION V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

YES.

- The College publishes HAND BOOK every year which comprises the information about vision and mission of the college, Discipline of the college, Teaching & Non-teaching staff, Technical Society, General information, admission procedure, important academic information regarding JNTUK regulations, rules and regulations of the college and other facilities provided by the college. It gives a bird's eye view of the college.
- The college publishes THE QUEST which is a quarterly Newsletter which provide the information about student events like seminars, Academic Calendar, Workshops conducted, Orientation & Awareness Programmes, Professional society and Departmental association activities and achievements and activities of Students and Faculty members. In addition, the departments publish annual technical magazines.



QUEST News Letter Release



AURA Magazine Release

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

YES.

- The financial aid was available and disbursed on time. The details are given below

Table 5.1

Details of financial Assistance given to the students by the College

Year	No. of	Amount (Lakhs)
2012-13	8	2.8
2011-12	4	3.0
Total :	12	5.8

- NSS of this college conducts about 10 camps and 1 special camp per year with the grant amounts of Rs. 25,000/- of JNTUK.

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

Table 5.2

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

Category	Percentage (%)			
	2010-11	2011-12	2012-13	2013-14
SC	15.33333	14.111101	12.82	14.1
ST	0.08	0	0.421	0.1333333336
BC	40.7	37.7	32.7	30
EBC	43.3	47.47	53.4	54.9
PHC	0	0	0	0.068
Minorities	0.44	0.62	0.59	0.748

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

- ✓ Students from SC/ST, OBC and economically weaker sections
  - ✓ Students with physical disabilities
  - ✓ Overseas students
  - ✓ Students to participate in various competitions/National and International
  - ✓ Medical assistance to students: health centre, health insurance etc.
  - ✓ Organizing coaching classes for competitive exams
  - ✓ Skill development (spoken English, computer literacy, etc.,)
  - ✓ Support for “slow learners”
  - ✓ Exposures of students to other institution of higher learning/ corporate/business house etc.
  - ✓ Publication of student magazines
- SC/ST, OBC and economically weaker sections
- All SC /ST students receive financial assistance in the form of tuition fee, maintenance charges and pocket money from the Government as per the Government regulations.
  - The college library issues book bank facility from which SC,ST students can borrow additional books.
  - OBC Students also receive financial assistance in terms of tuition fee and maintenance charges.
  - The college arranges additional training / remedial classes for academically lagging students.

- Class counselors take special attention of slow learners, identifying their academic deficiencies.
- Physically challenged / other disabled students?
  - Physically challenged students receive scholarship of Rs. 550/- per month from social welfare department.
  - Such students have a provision of availing additional time at the time of their taking the exam.
  - Class and examination rooms are arranged on the ground floor.
  - The College is providing Railings, and special toilets suited to them.
  - The college has given full transport fee concession. So far five students benefited in this scheme.
- Students to participate in various competitions / conferences in India and abroad
  - The college extends financial support to students participating in various competitions/ conferences in India. About 30% of the students participate in various events organized outside the college.
  - Good number of students secure prizes in Inter University, and Inter Collegiate events.
- Medical Assistance to Students : Health centre, health insurance etc.
  - The college has a medical centre .A qualified doctor visits twice and in case of urgency on all working days.
  - The college organizes free immunization camps against Hepatitis-B and Typhoid for I year B.Tech, M.Tech, M.C.A.and M.B.A students every year.

- Accidental Insurance scheme is extended to all the students.
- The centre has its own round-the-clock ambulance van facility.
- Organizing Coaching Class for Competitive Examinations:
  - In house GATE coaching classes are conducted by both internal and external faculty.
  - In addition, the departments provide guidance to their students preparing for competitive examinations like CAT/GRE/TOEFL.
  - The college has sufficiently well stocked library books for CAT/GRE/ TOEFL
  - Skill development (spoken English, computer literacy, etc.,)
  - The college has the following laboratories to enhance students skills:
 

ELCS Lab : for developing communication skills.

ICS Lab : to enhance students oral and writing skills, and Softwares for improving their skills in Spoken English, computer literacy, etc.
- Support for slow learners:
  - Remedial classes are arranged for the slow learners. Student counselors continuously monitor their progress.
- Exposure of students to other institutions of higher learning/ corporate / business houses, etc.
  - Students are encouraged & guided to participate in events organized by other institutions. Industrial visits are arranged for the students for practical exposure. Workshops on

entrepreneurship development are organized to enhance the interests of students to start their own business/industry.

➤ Publication of student magazines

- Departmental student associations bring out annual Technical Magazines.

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

**ENTREPRENEURSHIP DEVELOPMENT CELL:**

**THE NEED:**

The Engineering graduates are in search of career in the competitive job market. To make potential candidates, self dependent through entrepreneurship. To make a technically qualified person as entrepreneur, through a planned approach, in inspiring the students to take up Entrepreneurial Career.

We have Expert faculty members in the department, Good Laboratory/Computer Labs with Local Industries around.

This background is quite encouraging for Engineering students, provided they are guided on Entrepreneurial Opportunities, Business Environment Scanning, Technology Changes, Marketing, Entrepreneurial Motivation Training etc.,

The Entrepreneurship Development Cell of Bonam Venkata Chalamayya Institute of Technology & Science was started in the year 2009 with the following Mission and objectives.

**Mission :**

"To develop and act as the core facility in fostering growth of innovation and entrepreneurship amongst the faculty and students of Bonam Venkata Chalamayya Institute of Technology & Science and to promote entrepreneurial culture in the college ."

**Objectives:**

1. To act as central facilitating hub to provide various services including information on all aspects of enterprise building to budding entrepreneurs of Bonam Venkata Chalamayya Institute of Technology & Science.
2. To create Entrepreneurial culture in Bonam Venkata Chalamayya Institute of Technology & Science and other institutions in the region.
3. To inculcate a culture of innovation driven entrepreneurship through student - projects.
4. To catalyze and promote development of S&T knowledge -based enterprises and promote employment opportunities in the deserving areas.
5. To assist prospective entrepreneurs in preparation of project reports.
6. To provide incubation facility to student entrepreneurs.

**Activities:**

1. To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes in the college / institution for the benefit of students and faculty of the college.
2. To initiate a minimum of five innovative students projects each year for new innovative product development.
3. To organize Business Plan Competitions every year.
4. To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc.
5. To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.

6. To facilitate creation of entrepreneurs' club in the college to foster culture of entrepreneurship spirit amongst students.
7. To act as the Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant bases.

Committee:

Name of the committee	Members of the committee	Designation
Entrepreneurship Development Cell	Dr. G P S V S D Nagendra Rao (Prof, S&H)	Convener
	Mr. K Suresh Asst. Professor in ME	Member
	Mr. MEC Vidya Sagar, Asst. Professor in EEE	Member
	Mr A. Srinivas , Asst. Professor in ECE	Member
	Mr. K L G Reddy, Asst. Professor in CSE	Member
	Mr. M Raja, Asst. Professor in MBA	Member
	Mrs. D Bindu Madhavi, Asst. Professor in MBA MBAMBA	Member
	Ms. M L Rekha, Asst. Professor in MCA	Member

Summary of activities organized by EDC :

2010 - 11

S.NO	Date	Title	Recourse Person
1	06/08/2010	One Workshop on Employability	Mr. K. V Ramana, Head, HR, Symphony, Hyd.
2	17/10/2010	Motivation for Entrepreneurship	Mr. Raj Chibber, CEO, BTBP, USA.



## 2011 - 12

S.NO	Date	Title	Recourse Person
1	11/06/2011	Entrepreneurship for Engineering Students	Prof, A. Srinivas, Program Director, ISB, Hyd.
2	22/09/2011	Employability in Software Sector	Mr. G. Girinath, Head, COCUBES, Hyd.
3	17/11/2011	Memory Techniques & Marketing Skills	Mr. V. S Deepak, DO, LIC.

## 2012-13

S.NO	Date	Title	Recourse Person
1	20/02/2013	Awareness on Entrepreneurship	Mr. G Sudharshan, NSIC Hyderabad.
2	09/03/2013	Awareness Program on Stock Markets	Mr. G. Sairam, District Investments Awareness Coordinator, NSE, Hyd.



WORKSHOP ON PROFESSIONAL ETHICS by Dr.KVSG Murali Krishna,JNTUK

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

discussions, cultural activities etc.

- \* additional academic support, flexibility in examinations
- \* special dietary requirements, sports uniform and materials
- \* any other

➤ Promotion of participation of students

- Provides Sports Track Suit to students for participating in major tournaments.
- Encourages participation in inter collegiate tournaments conducted in Cricket, Volleyball, Basketball, Table-Tennis, Athletics etc.,
- Presents merit certificates and mementoes to winners and runners in intramural competitions for boys & girls at College Annual Sports Day celebrations.
- Encourages participation in co-curricular activities.
- Provides TA, DA to students participating in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debates, cultural activities etc.
- Due consideration in respect of attendance for students participating in important literary, cultural or sports events outside the college.
- Conducts inter collegiate tournaments, cultural competitions by organizing state level fest known as “HORIZON” every year.
- Various “Cash Awards” are given in the tournaments conducted in and outside the college.

- Well furnished amenities block
- Gymnasium facility for boys and girls.
- a) Additional academic support, flexibility in examinations:
  - Academic support is provided for all those students participating in extra curricular activities in the form of arranging compensation classes. Due consideration in respect of attendance for the students participating in important literary, cultural or sports events outside the college.
  - Since the college has to follow the examination time tables of the affiliating university, there is no scope for deviation from examination schedule.
- b) Special dietary requirement, sports uniform and materials:
  - College provides sports uniform to all the students participating in the inter-collegiate/inter University events and provides dietary supplements for such students.
  - The college spends approximately Rs.20,000 annually on consumable sports material.
  - Special diet is provided for students in their coaching camps.
- c) Any other:

The following committees are formulated to enhance student participation in extra curricular activities.

1. Sports and Games Committee
2. Cultural Committee
3. Literary Committee.

In addition to the above committees, the college also provides basic needs to the neighbors servicing to villages through NSS Unit and also partially meets the neighboring service organizations.

Engineers Day ( 15<sup>th</sup> , Sept, 2012)Gandhi Jayanthi ( 02<sup>nd</sup> ,Oct, 2012)

Indoor Shuttle Court



Volley Ball Court



Winners of BPL - 13

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

- The departments provide guidance, further conduct coaching classes to students for taking competitive examinations like GATE/CAT/GRE/TOEFL.
- Language lab has interactive software which enables the students to prepare for GRE and TOEFL examinations.
- Large number of books on career guidance and competitive examinations are available in Library.
- Every year good number of students are securing good ranks/scores in GATE/GRE/ TOEFL / CAT examinations.

#### No. of Students qualified in GATE/PGECET

Academic Year	CE	EEE	ME	ECE	CSE	MBA	MCA
2013-14	-----	----	-----	----	----	---	----
2012-13	----- 0-	07	-----	01	05	----	----
2011-12	----- -	05	-----	02	01	---	----
2010-11	----- -	03	-----	02	05	----	----

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

Academic Year	CE	EEE	ME	ECE	CSE	MBA	MCA
2013-14	-----	----	----- -	----	2	----	----
2012-13	----- -	01	----- -	02	111	----	----
2011-12	----- -	01	-----	---	----	----	----
2010-11	----- -	---	-----	01	---	----	----

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

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

➤ Academic Counseling:

College has constituted a dedicated team of Faculty to counsel the students academically. There will be academic coordinators and counselors to look after the problems faced by academically poor or irregular students.

➤ Personal Counseling:

- College has constituted a dedicated team of Faculty who bestow personal care in the case of academically low or irregular students. Personal care is taken by class counselors and Student affairs in the case of such students.
- A Grievance Redress Cell is constituted to look into the grievances of students and to attend their problems.
- An exclusive counseling and guidance cell is set up to attend the problems of newly admitted students.

➤ Career Counseling:

- The college has constituted a dedicated team of English Faculty exclusively for developing Soft Skills of the students. Soft Skill Training Programmes are periodically conducted with internal resource persons and slots are allotted in the regular time table. Also, our students are trained through external corporate training agencies like, Globarena, Corporate Learning, Infosys Soft Skills, Green Chain, Talent Sprint etc. Training & Placement Cell regularly conducts Seminars, Group Discussions, Just A Minute (JAM) and also Orientation Programmes. Mock Interviews are

conducted to identify gap needs and to improve the skill-set of the students.

- The college established Center for Development of Communication Skills Lab (CDCS Lab) in January 2002 and is the first of its kind among the colleges affiliated to the JNTU, Hyderabad. The lab was renamed as English Language Communication Skills (ELCS) laboratory after the course has been introduced in the course curriculum in 2006 by the affiliating University. The lab helps to improve the communication skills of students.
- The college is an Advanced Partner of Campus Connect initiative of Infosys for enhancing the Employability Skills of the Engineering Graduates.
- Infosys Campus Connect “Soft Skills” module is being rolled out every year to III year B.Tech students. Faculty members of English, earlier trained by experts of Infosys Technologies, train the students in the following areas.

Career Counseling through Soft Skills Training	Student Demographics
Adopting to Corporate Life	To the III B.Tech. Students
The Art of Communication	
The Hidden Data of Communication	
Discussions, Decisions & Presentations	
Articulation, Competency in Reading, Writing	
Effective Listening, Barriers and Filters, Response and Feedback, Non-Verbal Behavior Interpretation	
Adaptability to Cross Cultural Environment through creative thinking and problem solving	
Self Management with Assertiveness and Initiative, Inter-Personal Skills, The ability to work in teams	

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

YES.

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

➤ Campus Recruitment

Efforts are being made by the institution to improve the employability of the students and industries are invited to the campus to recruit students. For the past four years all the eligible and interested candidates are absorbed by the industry before completion of the course. Efforts made by the college are given below:

○ Training and Placement cell

Full-fledged Training & Placement Cell of the institution comprising T&P Officer , Departmental Coordinators and supporting staff. It monitors and organizes continuously the training and placement activities. The cell regularly contacts all relevant industries / companies and conducts placement drives.

○ Special Training on English Language and Communication Skills

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



interview performance skills.

- Regular Training on Aptitude & Other Soft Skills

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

- Special customized training based on Industry requirement

The suggestions of industry representatives on the Board of Studies of individual departments are taken to identify the customized training needs of individual departments. Industry relevant customized training is provided to final year students before the commencement of recruitment process. In addition, guest lectures are arranged on specialized areas relevant to the present day industry.



Selected Students for HCL Company

COMPANIES VISITED	NO.OF STUDENTS SELECTED
2013-14	
ON CAMPUS	
KNOWX,BTBP,AGT,KUBERA,ACCUPRODIS,SUTHERLAND,ACCROPETAL,HIDDENBRAINS,MEDTECH,MAGADH,INFOSYS,WEARIT-RIRSPIN,CONTEXT,TECHMAHINDRA,WEBCONIZE,UNISYS,KALYANS GROUP, ,K-TREE,SYNTEL	82
POOL / OFF CAMPUS	
JOYALUKAS,L&T INFOTECH, TOSHIBA	46
2012-13	
ON CAMPUS	
SIGMA FIRST,ZENNOVA TECHNOLOGIES,TESTEX,AUTOMATIC ELECTRIC	

LIMITED,ADONIS,RELGO,BUSINESS INFO SOLUTION,VOLTECH,	28
POOL/OFF CAMPUS	
JOYALUKAS, CAPTIAL IQ,INFOSYS	43
2011-12	
ON CAMPUS	
BTBP,HCL,NTPC,HIDDEN BRAINS, ,AIT SOFTWARE,NEOFRAB TECHNOLOGIES,PANAMAX,REAL INFO WARE,TECHNOBRAIN,TREWPORT,UNIXELL,IMOMEN TOUS,AUTOMATIC ELECTRIC LIMITED	91
POOL/OFF CAMPUS	
JOYALUKAS,I,EVOLVE TECHNOLOGIES,NTPC LTD,ASSURGENT	10
2010-11	
ON CAMPUS	
HCL TECHNOLOGIES LTD,SYNTEL,VIJAI ELECTRICALS,MAHINDRA SATYAM,HDFC LIFE,RELIANCE INFO,TATA AIG,BTBP,	73
POOL/OFF CAMPUS	
BIRLA SOFT, ELECTRO PNUEMATICS HYDRAULICS,WEB SYNARGIES,POWER MECH,V SOFT TECHNOLOGIES,TECH CONTROL,ARICENT GROUP,OMNI POIS,POLARIS,CYBER MOTION,INFOTECH,I POOOL TECHNOLOGIES,NEX WAVE,DYN PRO,CNO ITSERVICES,SOLUTION PROVIDERS,ALLIED DIGITAL,IBM,AXON,SILICON TECHNO SOL,HONEYWELL,ATOSYS ORIGIN	43

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

YES.

The redressal cell headed by the Dean Student affairs, comprises one senior faculty member from each department and a lady faculty member. The composition of the cell is as follows:

Sl.No	Name	Position Held
1	Dr.GPSVSD Nagendra Rao	Convener
2	ProfANVJ Raja Gopal HoD of EEE	Member
3	Dr.MCS Madan , HoD of CE	Member
4	Mr.MMS Prasad, HoD of ME	Member
5	Prof.BV Ramnana, HoD of ECE	Member
6	Mr BV Ramkumar, HoD of CSE	Member
7	Mr A Satyanarayana , HoD of MBA	Member
8	Mr.M Prasad, HoD of MCA	Member
09	Mr.P Srikanth, HoD of S&H	Member

The basic functions of the cell are:

1. It conducts a thorough enquiry on the complaints received from the aggrieved students, including instances of ragging.
2. It submits the enquiry report to the Principal, with its recommendations on suitable penalty / punishment to be imposed.
3. The Principal, on receipt of the above report, gives an opportunity to the student(s) against whom the complaint was lodged to explain his / her case. The Principal will convene the College Academic Committee meeting in this regard to decide on the measures to be taken. In special

cases the opinion of the College Management Committee will also be taken before imposing the punishments / penalties.

PROFORMA :

<p align="center"><b>BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY &amp;SCIENCE BATLAPALEM</b></p> <p align="center"><u><b>REDRESS CELL - STUDENTS</b></u></p>	
<p>1. Name of the Student :..... Roll</p>	
<p>No.....Branch &amp; Year of study:.....</p>	
<p>Grievance: .....</p> <p>.....</p>	
<p>Date :..... Signature of the Student</p>	
<p align="right"><u><b>Action Taken</b></u></p>	
<p align="center">(Proposed / Implemented)</p>	
<p align="right">Signature of the Convener</p>	
<p align="right">Dt: .....</p>	

**INFORMATION OF ACTION TAKEN-INTIMATION TO THE STUDENT**

I was informed of the action taken (Proposed).

Date:  
Student

Signature of the

**ACKNOWLEDGEMENT - GRIEVANCES REDRESS CELL - STUDENTS**

Received the complaint from....., Roll No.

.....Class & Year of Study.....

Date:.....

Signature of the Student

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

The college has a Women Protection Cell which addresses the grievances of girl students regarding sexual harassment. The composition of the cell comprises one senior lady faculty member as convener and one lady faculty member from each department, if available. The composition of the cell is as follows:

Sl.No	Name	Position Held
1	Mrs. K Sirisha	Coordinator
2	Ms. N Lakshmi	Member
3	Ms. A Sowjanya	Member
4	Ms. G Vijaya Kumari	Member
5	Ms. N S S Kumari	Member
6	Ms. M Surekha	Member
7	Mrs. M H S Padma	Member

This cell looks after the welfare of girl students and lady staff members.

The basic functions of the cell are:

- The cell notifies its presence through posters, notices and interactive sessions and also creates awareness among the students and faculty on the repercussions they face, if they resort to harassment of any kind.
- When a complaint is received by the cell, it conducts an enquiry to identify the gravity of the offence.
- Based on the firsthand information and prime-facie evidence, the committee submits its report to the Principal for further action.

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

YES.

The College has an anti-ragging committee. The composition of the committee is;

**ANTI-RAGGING COMMITTEE:**

- To identify ragging and other connected problems and taking stringent steps to curb the menace ragging in and outside the CAMPUS.

**Advisory Committee :**

1. Mr. T V S G Kumar	RDO
2. Mr. M Veera Reddy	DSP
3. Mr. N Chittibabu	MRO
4. Mr. V Srinivas Reddy	CI, Amalapuram
5. Mr. K Sudhakar	SI, Amalapuram
6. Sri B. Kanakayya	Secretary, BVC
7. Sri B.K. Satish	Vice-Chairman, BVC

Chairman : Dr. G M V Prasad    Principal

Anti- Ragging Squad :

- |                         |                        |
|-------------------------|------------------------|
| 1. Prof. ANVJ Rajagopal | HOD of EEE             |
| 2. Prof. B V Ramana     | HOD of ECE             |
| 3. Mr. B V Ramkumar     | HOD of CSE             |
| 4. Prof. M M S Prasad   | HOD of ME              |
| 5. Dr. MCS Madan        | HOD of Civil           |
| 6. Mr. P Sreekanth      | HOD of S&H             |
| 7. Mr. A S Narayana     | HOD of MBA             |
| 8. Mr. M Prasad         | HOD of MCA             |
| 9. Mr. J V Krishna Rao  | Administrative Officer |
| 10. Mr. K Ravi Sudheer  | Physical Director      |
| 11. Mr. N Y V Narayana  | Librarian              |
| 12. Mr. N Satyanarayana | Sr. Assistant          |

a) **Vigilance Committee 1 : (Amalapuram & Boys Hostel)**

- |                        |                          |
|------------------------|--------------------------|
| 1. Mr. T S Sowri       | Asst. Professor in EEE   |
| 2. Mr. D Kishore Babu  | Associate Prof. in CSE   |
| 3. Mr. D K Madhav      | Asst. Professor in ECE   |
| 4. Mr. B Simhadri Rao  | Associate Prof. in S&H   |
| 5. Dr. D Satyanarayana | Professor in MBA         |
| 6. Mr. V N Naidu       | Asst. Professor in MCA   |
| 7. Mr. G H R Sampan    | Asst. Professor in Civil |
| 8. Mr. P Satish        | Asst. Professor in ME    |

a) **Vigilance Committee 2 : (Campus - up to NH 214)**

- |                      |                        |
|----------------------|------------------------|
| 1. Mr. L V B Suresh  | Asst. Professor in EEE |
| 2. Mr. APVDL Kumar   | Asst. Professor in CSE |
| 3. Mr. S Raghava Rao | Asst. Professor in ECE |
| 4. Mr. P N V Ganesh  | Asst. Professor in S&H |

5. Mr. K Durga Prasad

Asst. Professor in MBA

6. Ms. U V V Durga Devi

Asst. Professor in MCA

The basic functions of the cell are:

- to create self confidence and congenial environment among the newly admitted students by way of conducting frequent interactive sessions to clear the doubts related to academic matters, social interaction and compatibility. The “Counseling and Guidance Cell” provides a ragging free campus for newly admitted students to have a pleasant and fruitful academic stay in this college.
- Faculty is deputed at various locations inside the college campus to monitor the student activities. Faculty sees that no student groups are formed and if any are observed, the group is dispersed to avoid any nuisance. The punishment for ragging is displayed at various places to make the students aware of seriousness of the administration for preventing ragging.
- To conduct an enquiry and identify of the culprits on receipt of complaint.
- Based on the first hand information and prime-facie evidence, the committee submits its report to the Principal for necessary disciplinary action. Severe punishment will be imposed on the accused, if proven.
- No ragging instances took place for the last four years in the campus.

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

- Amenities building which provides facilities like canteen, indoor games, gymnasium, reading room and guest rooms for



boys and girls separately.

- Accidental Insurance to the students.
- Free vaccination to the students against Malaria and Hepatitis-B
- Financial support and needed facilities to physically challenged students
- Provision of giving Scholarships/ fee Waiver by the Management.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

YES.

The institution has an Alumni Association.

Alumni association was started in the year 2010. Its motive is to bring together all the Alumni to share their experiences and to extend their helping hand and provide guidance to the budding engineers of the college.

All the passed out students of the college become members of the Alumni Association. At present it has strength of 700. The Alumni spread around the globe, support the college in various activities. It organizes yearly meet in College/ Hyderabad/ Bangalore every year. Alumni association organizes various technical seminars / guest lectures, motivates and guides students for their academic improvement; in addition it organizes 'DISA a way forward' - a career building programme for first year students.

**Alumni Contribution :**

- The alumni association encourages their juniors by donating books after the completion of their graduation.



### ALUMNI MEET

## 5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student Progression		
UG to PG	ECE-6.5%; CSE-19.36%; EEE-4.5%	
PG to M.Phil.	NIL	
PG to Ph.D	NIL	
Employed • Campus selections	2013-14	128
	2012-13	71
	2011-12	101
	2010-11	116

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

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

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

B.Tech

Batch	EEE	ECE	CSE
2007-11	83.3	75.8	63.46
2008-12	83.3	72.09	95.6
2009-13	82.5	91.5	67.39
2010-14	58.13	65.6	68.8

PG

Batch	MCA	Batch	MBA
2008-11	98.00	2009-11	100
2009-12	100	2010-12	100
2010-13	100	2011-12	97.8
2011-14	100		

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

➤ Academic Year 2014-15 (Till Date)

- Campus Recruitment Training classes were conducted to IV B.Tech. & III MCA (class of 2014) students by Mrs K Indira and Ms Archana and his team from Corporate Learning., Visakhapatnam during 15<sup>th</sup> to 20<sup>th</sup> August 2014 and By Globarena 28<sup>th</sup> to 29<sup>rd</sup> October 2014 for 2 days. One day Workshop on Entrepreneurship Orientation by R.Sudarshan, NSIC on 6<sup>th</sup> August 2014.

- Conducted AMCAT Test for final year B.Tech. students on 12<sup>th</sup> February 2014.
- Conducted Co-Cubes Nationwide Pre-Assessment Test for IV B.Tech. on 12<sup>th</sup> February 2013.
- Conducted Mock Test for the III B.Tech. & III MCA students in the topic of “Quantitative aptitude” by Talent Sprint on 27<sup>th</sup> April 2012.
- 120 students of 2010-14 batch have registered for INFOSYS Campus Connect FP Program.
- Conducted one day workshop on “ Awareness on GATE Preparation” by T.I.M.E, Amalapuram on 20/10/2014 for all final year students GATE aspirants.

#### Academic Year 2013-14

- 300 students of all final year students have attended an interactive session with CEO of BTBP, USA Dr. Rajeswar Chibber, on 10/06/2013.
- 250 students of all final year students have attended a 3 - day mentor interaction with the Manager - Training of Globarena Technologies, Hyd Mr. M. Prasad, on 24/07/2013 to 26/07/2013.
- 250 students of all final year students have attended a 3 - day mentor interaction with the Manager - Training of Globarena Technologies, Hyd Mr. M. Chaitnya, on 24/07/2013 to 26/07/2013.
- 450 students of all final year students have attended a 1 - day workshop on “Soft Skills” by Director - General, UIDAI Mr. P. S N Murthy, IAS on 05/12/2013.
- 400 student s of final year students have attended an

interactive session with the IGM, DST Solutions, Hyd Mr. G. Suresh on 31/12/2013.

- 400 student s of final year students have attended an interactive session with the HRD, NETECEL, Hyd Mr. V. Chaitnya on 25/01/2014.

#### Academic Year 2012-13

- Conducted one day workshop on Image Processing by Mr. R. Raghuv eer, Sr. SE, BTBP, USA on 20/02/2012 for all final year students.
- Conducted Interaction program with Mr. Ch. Durga Prasad, HR, & Mr. M. Gowri Shnakar, Sr. SE, Ms. P. Pavani ,SE, Tech Mahindra ( BVT S Alumini), Hyd on 23/06/2012 for all final year eligible students.
- Arranged CRT Program for All final year students by KREST Technologies, Hyd on 25th June - 02nd July,2012.
- Conducted a program on “ Career Options & Guidance” given by Mr. L. Sharma, CEO, GreenChain, Hyd for final year students on 12/07/2012.

#### Academic Year 2011-12

- Conducted a on line examination for CoCubes on 28/11/2011.
- Conducted Interaction program with Mr. T. Krishna, Head - Sales, Asia & Africa, Blackberry on 13/11/2012 for all final year eligible students.
- Arranged one day workshop on”Employability” by Mr. M. S.Subramanyam, Delivery Manager, TCS, Bangalore on 03/02/2012 for all final year students.

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

- Remedial Classes are arranged for the students who are at risk of failure and drop out.
- Conducting frequent Counseling by the class teachers.
- Discussions with the parents
- Special Coaching is being provided in the form of extra class hours.

### 5.3 Student Participation and Activities

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

##### a) Sports & Games Facilities:

The department of Physical Education looks after the Games and Sports activities. The department is headed by two qualified Physical Directors and the required infrastructure.

The college has exclusive amenities block for indoor games like Badminton Stadium and also has well developed playgrounds for Volleyball, Cricket, Kho- Kho , Kabaddi etc.

The participation of students in Games & Sports activities are fundamentally of two types.

1. Intramural games & sports activity
2. Extramural activities outside the college

##### Major Activities:

Organizing inter-collegiate tournaments in Table Tennis competitions and providing facilities for conducting University team selections on the above events.

### Intramural activities:

Intramural competitions will be conducted in months of December & January every year and the prizes will be distributed on Annual Day function.

Gymnasium: Separate Gymnasium facility for Boys and Girls is provided.

### Facilities for Girl Students :

The college encourages participation of girl students in intra and inter institutional sports & games competitions and cultural activities. The following are the sports & games and cultural activities arranged by the college;

Indoor : Caroms, Chess, Table Tennis, Badminton etc.,

Outdoor: Volleyball, Throw ball, Tennicoit, Kho-Kho

- > Conduct of separate selection trials for girl students for picking up talented players for participation at Inter Collegiate tournaments. Conducted 5K Run on January 12<sup>th</sup> 2014 special occasions like 150<sup>th</sup> Birthday of Swamy Vivekananda, science day, etc.
- > Conducting practice sessions in athletic events.
- > Presentation of women championship awards every year.

### b) Literary and Cultural activities:

- > Literary and Cultural activities are under the supervision of Basic Sciences and Humanities department.
- > All the Departments also conduct such activities every year regularly as part of their respective Department Association activities every year.

- Annual Literary and cultural activities are being organized yearly for about a month during Feb-March. Competitions are conducted on special occasions like 150<sup>th</sup> Birthday of Swamy Vivekananda, science day, etc.

The following tables provide the information of the literary and cultural competitions.

#### Participation of Students In Annual Literary And Cultural Competitions

##### c) Literary and Cultural activities:

- For organizing Literary and Cultural activities literary and cultural committee is formed in the college with one college level co ordinator and cultural members are nominated from every department.
- Literary and cultural association activities are organized under the supervision of literary and cultural committee members
- All the Departments also conduct cultural activities every year regularly

At the time of freshers day & firewell day celebrations

- The institution organizes several cultural events like rangoli competitions, mehndhi competition, traditional food preparation and traditional dance competitions, kites and bangles competitions on the special occasions like independence day sankranti celebrations, ugadhi celebrations, 150<sup>th</sup> Birthday of Swamy Vivekananda, science day, etc



- In addition to this, the college has conducted cultural activities by organizing A two day national level technical symposium “EVINCE-2K11”, and A two day national level youth fest “HORIZON-2K13” to explore the inherent talents of the students

The following tables provide the information of the literary and cultural competitions.

### Participation of Students In Annual Literary And Cultural Competitions

#### Cultural activities:

YEAR	NAMES OF THE CULTURAL PROGRAMS	ON THE EVE OF	NO. OF STUDENTS PARTICIPATED	NO OF STUDENTS WON THE PRIZES
2010-11	FLAG DESIGNING, EK-MINUTE, SPOT PAINTING, QUIZ COMPETITION (INDIAN HISTORY AND CULTURE), SINGING AND DANCING COMPETITIONS (PATRIOTIC SONGS)	INDEPENDENCE DAY	110	1 <sup>ST</sup> PRIZE-11 2 <sup>ND</sup> PRIZE-11
	TRADITIONAL DRESS, MEHANDHI, BANGLES, TRADITIONAL FOOD PREPARATION, RANGOLI, BO MMALA KOLUVU, KITES	UGADI CELEBRATIONS	100	1 <sup>ST</sup> PRIZE-07 2 <sup>ND</sup> PRIZE-07 3 <sup>RD</sup> PRIZE-07 CONSOLATION PRIZES-3
2011-12	FLAG DESIGNING, EK-MINUTE, SPOT PAINTING, QUIZ COMPETITION (INDIAN HISTORY AND CULTURE), SINGING AND DANCING COMPETITIONS (PATRIOTIC SONGS)	INDEPENDENCE DAY	87	1 <sup>ST</sup> PRIZE-11 2 <sup>ND</sup> PRIZE-11
	TRADITIONAL DRESS , MEHANDHI, BANGLES, TRADITIONAL FOOD PREPARATION, RANGOLI, BO MMALA KOLUVU, KITES	SANKRANTHI SAMBARALU	114	1 <sup>ST</sup> PRIZE-07 2 <sup>ND</sup> PRIZE-07 3 <sup>RD</sup> PRIZE-07 CONSOLATION PRIZES-3
	SINGING, DANCING, MIMICRY, SKIT, MOVIE MAKING.	EVINCE 2K11-A NATIONAL LEVEL SYMPOSIUM	274	1 <sup>ST</sup> PRIZE-14 2 <sup>ND</sup> PRIZE-14 3 <sup>RD</sup> PRIZE-10
2012-13	TRADITIONAL DRESS COMPETITIONS, MEHANDHI, BANG	SANKRANTHI SAMBARALU	135	1 <sup>ST</sup> PRIZE-09 2 <sup>ND</sup> PRIZE-09

	LES, TRADITIONAL FOODPREPARATION, RANGOLI, BO MMALA KOLUVU, KITES COMPETETIONS			3 <sup>RD</sup> PRIZE-07 CONSOLATIO N PRIZES-2
	SINGING, DANCING, MIMICRY, SKIT, MOVIE MAKING.	HORIZON 2K13- A 2 DAY NATIONAL YOUTH FESTIVAL ON 2 <sup>ND</sup> AND 3 <sup>RD</sup> MARCH	305	1 <sup>ST</sup> PRIZE-16 2 <sup>ND</sup> PRIZE-16 3 <sup>RD</sup> PRIZE-13
2013-14	TRADITIONAL DRESS COMPETETIONS, MEHANDHI, BANG LES, TRADITIONAL FOODPREPARATION, RANGOLI, BO MMALA KOLUVU, KITES COMPETETIONS	SANKRANTHI SAMBARALU	125	1 <sup>ST</sup> PRIZE-08 2 <sup>ND</sup> PRIZE-08 3 <sup>RD</sup> PRIZE-07 CONSOLATIO N PRIZES-4
	DANCING COMPETETIONS(SOLO, DUET AND GROUP)	EVINCE 2K14	50	1 <sup>ST</sup> PRIZE-05 2 <sup>ND</sup> PRIZE-05 3 <sup>RD</sup> PRIZE-03

## SANKRANTHI &amp; UGADHI CELEBRATIONS



## Organization of Major Cultural Events

### EVINCE 2K11 CULTURAL EVENTS:



### HORIZON-2K13 YOUTH FEST: CULTURAL EVENTS



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

### Co-curricular Activities

#### a) Participation of Students In Paper Presentations

Year	Branch	Activity	No. of Students Participated	No. of Students Won the Prizes
2014-15	CE	Paper Presentation	12	02
	EEE		40	04
	ME		21	04
	ECE		60	04
	CSE		100	04
	MCA		30	04
2013-14	CE	Paper Presentation	-----	
	EEE		40	03
	ME		----	
	ECE		90	06
	CSE		40	05
	MCA		20	10
2012-13	EEE	Paper Presentation	100	05
	ECE		102	08
	CSE		80	04
2011-12	EEE	Paper Presentation	90	07
	ECE		120	06
	CSE		100	24
	MCA		40	10

#### b) Participation of Students in Poster Presentations, Technical Exhibition, Technical Quiz

Activity	No. of Students Participated	No. of Students Won the Prizes
Poster Presentations	50	10



Technical Exhibition	72	08
Quiz	100	20

On the Eve of 150<sup>th</sup> Birth Day of "SWAMY VIVEKANANDA" the following events were conducted



Event	No. of students Participated	No. of students Won the prizes
Essay Writing, Debate	85	I Prize : 2 II Prize : 2 Consolation Prize :1

### Organization of Major Cultural Events



### NATIONAL-WIDE EVENT : HORIZON

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

### Extra Curricular Activities

a) Student Participation in South Zone & All India Inter University Tournaments:

Year	University representation	Event	No. of Participations
2010-11	All India Inter University	Best Physic Competition	01

b) Student Participation in Inter-collegiate Regional & Central Zone Tournaments:

S.No	Name of the student	Year & Branch	Competition / Year	Result
1	S Sai Krishna	4 <sup>th</sup> B.Tech(ECE)	JNTUK, Best Physique 2011	Winner
2	B. Lakshmi Tulasi	3 <sup>rd</sup> B.Tech (CSE)	Chess (Women), BVCEC,2012	Winner
3	D Sridhar	3 <sup>rd</sup> B.Tech(ECE)	Chess (men), 2013, BVCITS	Runner
4	U Sri Lakshmi & S Shruthi	IV B.Tech(ECE)	Shuttle doubles, BVCEC,2012	Runner
5	P. Ajay Kamal	I MBA	Badminton( Single, Men), 2013, BVCITS	Winner
6	P. Sujay Kamal & P. Ajay Kamal	I MBA	Badminton( Double, Men), 2013, BVCITS	Winner
7	A Mnikanta	B.Tech (ECE)	East Godavari Dt. KICK Boxing champion ship,2011	1 <sup>st</sup> prize
8	A Mnikanta	B.Tech (ECE)	AP State Kungfu & Karate all martial arts championship, 2011	2 <sup>nd</sup> prize
9	P Naveen Kumar	IV B.Tech (EEE)	Volley ball , Yuvagala-2012, BVCEC	1st prize

### 5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The Exit feedback is taken from all the outgoing students every year seeking their opinion on the instructions and delivery, infrastructural facilities, library facilities, computing facilities, games & sports facilities, training facilities, support to placement activity, etc. The feedback of the students is compiled and all the suggestions made by the students are taking into consideration for effective improvements.

The employers of the organizations are requested to give their feedback on the performance of the Alumni of this college employed in their organizations and this feedback is utilized to modify their methodology of teaching to suit industrial needs.

#### BVC INSTITUTE OF TECHNOLOGY & SCIENCE

#### AMALAPURAM

#### FEEDBACK - EMPLOYER

- a) Name of the Organization :
- b) Name of the Officer and Designation
- c) Name of the Employee :
- d) Please provide your comments on the following:
- |                             |   |
|-----------------------------|---|
| 1. Performance of the staff | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 2. Technical Skills         | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 3. Attitude                 | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 4. Interpersonal Skills     | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
| 5. Passion for Growth       | <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Fair |
- e) Would you like to consider our students for future employment: Yes/No.
- f) What are your advices for further improvements on our candidates?

SIGNATURE

SEAL OF THE COMPANY

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

Each department brings out quarterly / half yearly department newsletters providing information with regards to the achievements and other activities of the department and also provide opportunities to students and faculty to communicate the latest developments in science and technology and also their opinions in the form of articles as follows;

- Students are given the required motivation and conceptual help for preparing technical papers at National level paper contests and financial support is provided as per norms.
- Technolight, A semi-annual newsletter is published by the college depicting the activities and achievements and the latest amendments in regulations.
- Department encourage the students to prepare and display the working models during EVINCE, Departmental Association Day Celebrations and Engineers Day Celebrations.

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

YES.

- The following are the Student Associations of the different departments of the college.

CIVIL : Tremondous Rebuilt Association of Civil Engineers (TRACE)

EEE : Electrical and Electronics Engineering Students Association (EEESA)

ME : Mechanical Engineers Graduate Association (MEGA)

ECE : Electronics and Communication Students Association



(ELECSEA) CSE : Computers & Information Student Consortium (CISC)

MBA : Business Association for Student Excellence (BASE)

MCA : Student Association of Computer Application (SACA)

- The executive committees of these associations comprise President from final year, Vice-President from pre-final year, Secretary from first or second year and Treasurer from third year. The associations conduct the activities under the guidance of the faculty representatives.

The following are the activities generally undertaken by the departmental associations

1. Expert Lecture
2. Technical Talk
3. Technical Quiz
4. General Quiz
5. Aptitude Test
6. Workshop
7. Group Discussion
8. Essay Writing
9. Cultural events such as Dumb-C, Pictionary, Antyakshari



CISC Inaugural



EEESA Inaugural



MEGA Inaugural



ELECSEA Inaugural

- The departmental association registration fee is Rs.200 for all newly admitted students and annual subscription fee is Rs.100/- for all the four years of their study. The college also makes budgetary allocations for student activities.
- In addition to the departmental associations, the student chapters of IETE, ISTE, IEI, CSI and IEEE also exist. Rs.200/- per student is collected by the departmental associations towards professional membership fee from all newly admitted students and every student has the choice to become the member of any of the above chapters.

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

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

**Academic Bodies**

- Class Monitoring Committee
- Library Committee

**Administrative Bodies**

- Anti Ragging committee
- Women Grievance Redress Committee
- Hostel Committee
- Canteen Committee
- Teachers day, Engineers day, Technical Fest, Annual Sports and College day committees.
- Student chapters of IETE, ISTE, CSI etc

It is also proposed to include student representatives in Student Welfare Committee. Student members represent the various issues and present their ideas at the respective committee meetings. Their suggestions are given due importance in arriving at decisions. The involvement of students in these creates better understanding between the administration and students, further brings to lights the time of thinking of the administration on college matters.

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

##### a) Network with the Alumni:

- The members of college administration and the senior faculty of all the departments participate in the annual or semi-annual alumni meetings on invitation and seek their advice and support for the development of the institution.
- The Alumni organizes guest lectures on latest technologies by alumni to second, third and final year students in addition to searching for various career avenues.
- The college appoints one of the alumni as a member of College Governing Body.
- The departments seek the opinion / suggestions of alumni on various developmental activities by sending mails to them and requesting them to fill the pro forma supplied in this regard.
- An alumni portal is created in the college website for better interaction between the college and alumni.
- The alumni association encourages their juniors by donating books after the completion of their graduation

**b) Network with the Former Faculty Members:**

- This college is happy that the faculty who left the college maintain good rapport and cherish their association with this college and they are invited to all the important functions of the college, further they respond favorably to the academic activities to which they are invited.
- The department invites the former senior faculty to deliver guest lectures and also to extend their expertise in Research and Development.



Alumni Interaction With the Students

## CRITERION - VI

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

## 6.1 Institutional Vision and Leadership

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

## ➤ VISION

To be center of excellence in education and research producing global leaders in science, technology and management.

## ➤ MISSION

To develop high quality technical education and personnel with sound technical and managerial skills, innovative research capabilities and exemplary professional conduct to lead and use technology for the progress of mankind with the highest ethical values as their inner strength.

## ➤ Quality Policy

Bonam Venkata Chalamayya Institute of Technology and Science imparts quality education by adopting the system of quality assurance enabling continued improvements in the teaching-learning processes to enhance students' skills and talents for their exemplary contribution to the Society, the Nation and the World.

## ➤ Goals :

## Short term goals

- To achieve academic excellence by getting 90 - 100% pass in the University Examinations.
- To have a good record of reputed companies visiting and offering jobs for our students at campus and achieve 80% placements.

- To get Quality Assurance through AICTE - NBA Accreditation for all programs by 2013.
- To inculcate qualities of integrity, honesty, loyalty and patriotism among students.
- To foster harmonious and cardinal relationship among the management, faculty, staff and students for their respective growth and for establishing congenial academic environment in the college.

#### Long term goals

- To become the preferred college of choice for students who do well in EAMCET and be listed among top 25 colleges in AP.
- To achieve 100% results and 100% placements continuously.
- To evolve as centre par excellence by under taking national and internationally acknowledged research and development works.

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

The institution, B V C Institute of Technology & Science is governed by the “Bonam Venkata Chalamayya Educational Society“, Earapalli, Amalapuram, East Godavari District, Andhra Pradesh, India. The college is governed by well defined Quality Document. The Management, the Principal and the staff/faculty are always stepping in together for designing and proper applications of the quality policy and plans. The Principal of the college is the head of the institution and provides requisite leadership to the system.

The Chairman of the Managing committee keeps on meeting the college staff to discuss various policy matters and their application and adjudication. The Principal ensures that all provisions of the University bye-laws, the Statutes and the regulations are observed. He also convenes meetings of the College Academic Committee. The College Management Committee(CMC), comprising of majority of faculty representatives and representatives from Management discusses the proposals of CAC and other key aspects in detail and arrive at the necessary strategies and plans to upkeep the quality

of education in the campus. The Members of the Management, Principal and other officers are always available to the faculty to present their views and ideas. The opinions of faculty and staff will be considered positively for evolving policies.

The Principal provides academic leadership and in association with the various faculties, evolves strategies for academic growth. The faculty is actively involved in decision-making process. The teachers hold periodic meetings. The recommendations of the conveners of the various Committees are submitted to the Managing Committee and the Management arrives at suitable decisions for implementation. Two external faculty members, in the capacity of teacher representatives, are members of the Governing Body. Hence they are actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution.

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

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

- Continuous improvement of resources, decentralization and delegation formulation of action plans for all operations and incorporation of the same into the institutional strategic plan academic freedom, financial support for growth

#### Interaction with stakeholders

- The authorities gather information about the various aspects of College functioning through a number of ways.
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
  - Organizes parents meets and obtains the views and suggestions of parents.
  - Records the opinions of the eminent people visiting the college
  - Obtains Exit feedback from the students
  - Invites the opinions and suggestions of experts from industry during their visit to college as members of Department Advisory Committee (DAC), guests to deliver experts lectures

- Obtains the suggestions through Alumni Association

The feedback received from all stakeholders will be critically reviewed, analyzed and remedial actions will be initiated. The management encourages the participation of the staff in the process of decision-making in institutional functioning.

The personal interaction of the Principal with various stakeholders, the faculty, the non teaching staff, the students, the guardians play an important role in this. This apart, information available in student feedback forms and information available in self-appraisal forms of teachers help the authorities plan proper support for the policies.

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

- Reinforcing the culture of excellence
- Organization of various student development activities
- Organizing coaching classes to GATE and Competitive examinations

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

College is committed to the aspects of continuous improvement and evolving modified strategies for the betterment of quality. The decisions taken by the appropriate regulatory bodies of the institution (GB, CMC, CAC) will be closely monitored by the respective committee for the implementation of decisions, noticing the challenges during implementation and suggesting suitable alternative actions. The college shall have a Governing Body(GB) constituted as per UGC guidelines. The G.B. constitutes of minimum of five members from the Society, nominees from SCRO, AICTE, one Industrialist nominated by Regional Committee concerned, one from Affiliating University, one from State Government, two Faculty members from the Institute. One Alumni member is also included as a member of the Governing Body. However, the total number shall not exceed 13. Principal shall be



the member Secretary and arranges the Governing Body Meetings and records the minutes of meeting. Governing Body meets at least once in six months, preferably in second half of March and first half of October.

The appropriate body will gauge the impact of the decisions and evaluates the effectiveness and devises plans and mechanisms for improvement from time to time. The respective dean with the concerned coordinator and committee takes up the task of monitoring and make submissions to the CAC. The Principal of the college, at the helm of the affairs, has complete autonomy to govern the institution within the purview of the rules and regulations framed by the government and affiliating university.

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

Management and top Management will provide adequate freedom to faculty for strengthening teaching-learning process, academic advancement, nurturing multifaceted talent in students. Faculty will be at liberty to formulate plans for supporting poor learners, preparing required learning material, organizing various programmes for curricular and extracurricular abilities, encouraging enthusiastic learners for professional competency, designing new experimental set up in laboratories, taking up in house R &D projects. The freedom of action will motivate faculty for creative and innovative practices, coordination and team work.

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

The principal of the institution is the leader heading a team of Heads of Departments. Each department is headed by one senior faculty where the teaching, technical and non technical staff members work together for attaining the goals keeping in the view of the policies of the institution.

#### Committees:

Various committees are constituted with principal as a chairmen , a coordinator and two or more members for smooth functioning of the college.

## List of various committees:

Name of the committee	Frequency of Meetings
Anti-Ragging Committee	At the beginning of first year admissions
AICTE/INTUUK inspection reports	Twice in a year
Counseling & Guidance Cell	Once or twice in a semester
Career Guidance Cell	Once or twice in a semester
Entrepreneurs Development Cell	Once or twice in a semester
Training & Placement Cell	Once or twice in a semester
Grievances Redressal Cell	Once or twice in a semester
Literary & Cultural Committee	Once or twice in a semester
Transport Committee	Once or twice in a semester
Electrical Maintenance Committee	Once or twice in a semester
Water Maintenance Committee	Once or twice in a semester
Hostel Committee	Once or twice in a semester
Mess & Canteen committee	Once or twice in a semester
Telecom & EPABX	Once or twice in a semester
Internet facilities	Once or twice in a semester
Library Committee	Once or twice in a semester
NSS Committee	Once or twice in a semester
Self Learning Facilities	Once or twice in a semester
Sports & Games Committee	Once or twice in a semester
Co - Curricular Activities Committee	Once or twice in a semester
Extra Curricula's Activities	Once or twice in a semester
SC/ST Grievances Cell	Once or twice in a semester
Women's Grievances cell	Once or twice in a semester
Civil Works and Campus maintenance	Once in a semester and whenever there is
College Academic Committee	Twice in a semester and whenever there
College Newsletter Committee	Twice in a Semester
Disciplinary Committee	Twice in a semester and whenever there
Electronic Data Processing Cell	Twice in a Semester
Examination Cell	Thrice in a semester
Information Act Cell	Twice in a semester
Internal Quality Assurance Cell (IQAC)	Once in a semester
Press & Publicity	Twice in a semester and whenever there
Purchase Committee	Once in a year
Research Forum	Twice in a semester
Staff Welfare Committee	Once in a semester
Scholarship Monitoring Committee	Twice in a semester
Staff Selection/ Recruitment	Once in a year
Time Table Committee	Twice in a semester
Medical & First Aid Committee	Twice in a semester and whenever there
Computer Maintenance Committee	Twice in a semester

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

- Adequate systematized autonomy to all the departments and sections.
- College Academic Committees and students associations with representatives from meritorious, average, below average levels and female students.
- Refining and redefining activities by keeping in view of the deliberations of College Academic Committees and associations.
- Organization of several activities by student to enhance the capabilities of students under the advisory ship of faculty member.
- Empowering head of the department to distribute work load to faculty, to identify the add on courses to deliver, to identify the content beyond syllabus and to organize various faculty and student empowerment programmes with the help of members of class monitoring committee, teaching and non-teaching staff of the department.
- Allocation of budget basing on the proposals received from the department.
- Participation of lab technician also in making budget proposals
- Conduct of midterm examinations by departments
- Decentralized governance system with well defined interrelationships.
- Empowering the faculty member in-charge of a lab is to devise and implement the necessary plans for effective conduct of the lab.

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

YES

College has a College Management Committee (CMC). It is the implementation and reviewing body making suggestions to the Governing Body. It formulates the policies for consideration of the Governing Body.

The College Management Committee is constituted with

Chairman : Chairman of the college

Joint-Chairman,: Secretary: & Correspondent

Secretary: Vice chairman of the college Correspondent,

Members : Principal, All HODs & AO

The CMC meets at least once in three months to take stock of Academic, Administrative and maintenance & developmental activities to implement the policies and also to suggest measures / make recommendations to the Governing Body for better action in the respective areas. The CMC may invite all or some of the members of advisory council as per need. Minutes of the meeting should be recorded.

The CMC meetings will be held during 1<sup>st</sup> half of March, 1<sup>st</sup> half of July, 2<sup>nd</sup> half of September and 2<sup>nd</sup> half of December. The CMC meetings held in March and September are extensive sessions covering all matters and shall also be attended by all the members of the advisory council. Examination results shall be reviewed in detail in these sessions, also the strategic plan.

During July and December CMC meetings, Faculty Performance Appraisal will be reviewed in detail. Budgetary allocations will be made in March meet for the next year after reviewing the current year's utilization and overall expenditure. In December meet current year's budgetary utilization will be reviewed.

CMC will also meet whenever necessary.

## 6.2 Strategy Development and Deployment

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

YES

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

In light of the challenges posed through Liberalization, Privatization and Globalization, competency development among humans is identified as only the solution. Basing on that conclusion, the quality policy of the college is developed and adequate awareness is given to all stakeholders through website and publications of the college.

IQAC of the college determines the strategies to be followed for enhancing quality in every aspect of the college functioning and the concerned committees deploy and review the same.

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

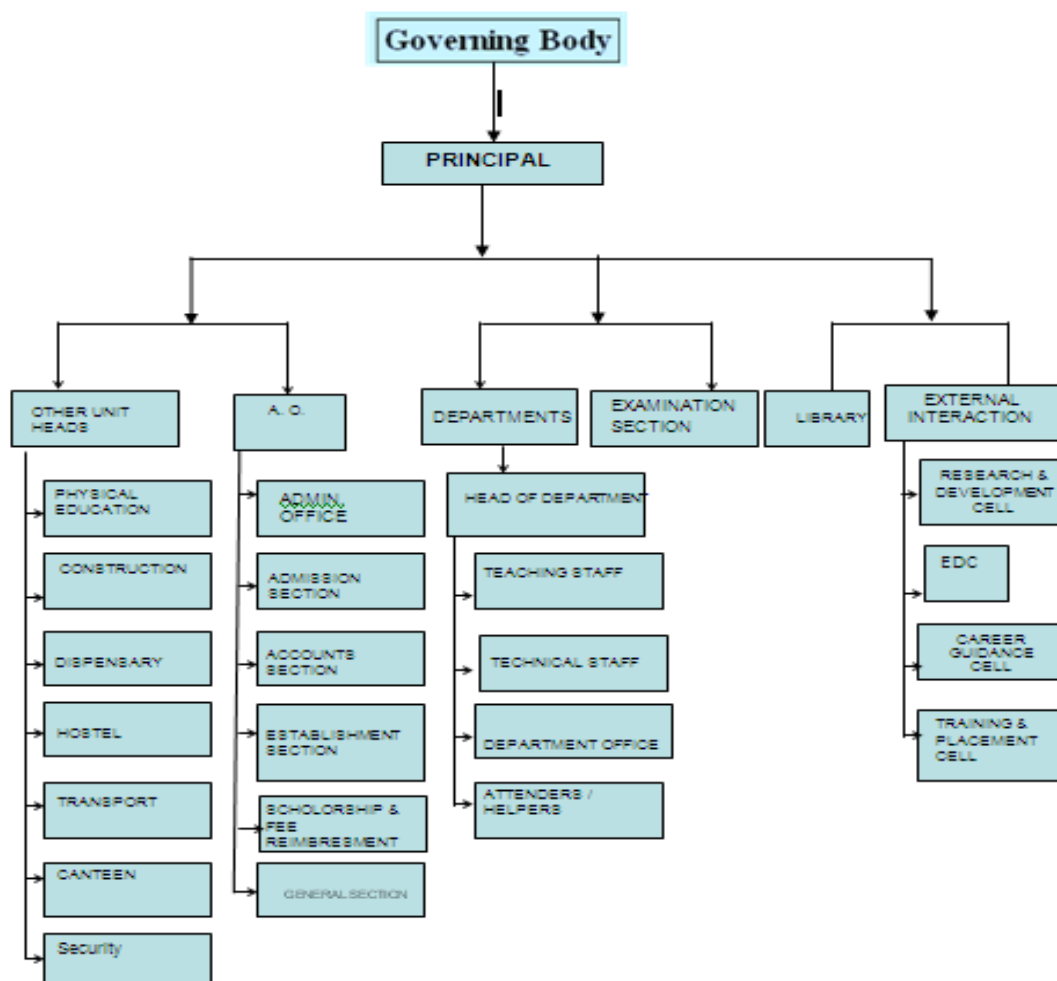
College understands how important things are in relation to others and sees in a particular way for developing continuously. The promoter society is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the institution. It specifies targets to the institution along with allocating budget. To arrive at the target to be specified, Management seeks the information from all stakeholders, observers and evaluates the best practices and strategies of other institutions those are striving for excellence.

In line to the views of the Society, college determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly.

- Allocation of budget taking up in house R & D as a measure to improve research activities

- Networking all the classrooms for effectively implementing ICT
- Development of e-learning materials
- Industry specific projects

6.2.3 Describe the internal organizational structure and decision making processes.



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

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

**Teaching & Learning:**

- Provision of State-of-the art learning resources in Central Library and department libraries.
- Ergonomically designed classrooms with networking facility
- Provision of e-classrooms
- Development of student support material
- Organization of Remedial classes
- Delivery of Add-on-courses
- Conduct of pre-placement training classes and campus connect programmes

- Conduct of GATE coaching classes
- Structured course files and lab manuals on all courses
- Academic audit
- Continuous improvement of resources

**Research & Development**

- Formulation Research committee
- Incentives and rewards for publications/ research
- Financial assistance to students for model buildings

**Community Engagement**

- NSS activities
- Blood Donation Camps
- Free medical camps
- Training unemployed rural youth

**Human Resource Management**

- Transparent policy document
- Transparent and scientific way of selections
- Imparting related training
- Formulation and communication of policies of the college
- Support for academic advancement
- Systematic performance appraisal system and guidance to the

people concerned

- Systematic promotion policies
- Democratic way of administration with participative management

Industry interaction

- Organisation of industrial tours
- Deputing faculty and staff for industrial training
- Guest lectures by the experts from industry

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The management and head of the institution are always in interactive mode with each other. The head of institution and Chairman of Management Committee get the feedback from parents, alumni, industry, teachers, students and the public with regards to the teaching quality, curriculum, extra- curricular activities and infrastructural demands. In the meeting of the college Management Committee the information gathered from different sources are discussed with the participating members. After thorough discussion and deliberations the existing facilities and activities of the institution are reviewed and decisions are taken for their implementation after going through the available resources and modalities. The decisions taken and activities of the institute will be communicated to all stakeholders through college website and news letter published by the college.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Management hears to the voice of members of the college and encourages initiative of members. A qualitative suggestion of any member finds place in decision making. A systematic and participative management feature of the institution leads to the determination of right things. After making decision, concerned committees will implement with true spirit with the guidance and cooperation of all the members to make those right



things right. Thus promoting Belongingness in faculty and staff pave ways for effectiveness and efficiency.

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

Agenda Date (Item No)	Governing Body Minutes	Action Taken
24.12.2013 (3)	The Issue constructing boys hostel and to improve mess & stores facility is discussed it is resolved	Implemented
29.12.2012 (15)	Implementation of group insurance for all staff members and students and the secretary is authorized to do the same.	Implemented

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes, The institution is planning to go for permanent affiliation in 2015-16 and apply for 2F & 12B of UGC which are prerequisites for obtaining status of autonomy .

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

College constituted various committees for

- Grievances redressal
- Students counseling / mentoring
- Class monitoring
- Women empowerment

The institute has well defined grievance redressal procedure. Prompt and effective disposal of grievances of various stakeholders are being done. College constituted grievance and redressal committee with 6 faculty as members. The committee thoroughly discusses the grievances and suggests the solutions for redressing the grievance to College

Academic Committee (CAC). CAC reviews the suggestions and initiates suitable actions and communicates to College Management Committee (CMC). If there is a need to redress the issue in CMC, the college takes up the issue as an agenda point in CMC. The college has a women Grievance cell as well which caters to the grievances and other needs of girl students.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute ? Provide details on the issues and decisions of the courts on these?

- N I L -

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

College obtains feedback in several ways

- Students feedback
- Exit feedback
- Alumni feedback

College obtains student feed back twice in a semester one in the middle of the semester and the second one shall be taken at the end of Semester/Year. In addition, class advisory committees will provide feedback. After thorough analysis, the head of the department provides his views and suggestions and communicates the same to the concerned faculty. Needed support and guidance will be provided by senior faculty. The improvement of the performance of that faculty will be monitored through subsequent feedback.

The institute has a clearly set and defined mechanism of obtaining the feedback from the students to improve the performance and quality of the institutional provisions. The advisory committee consisting of the senior teachers collects the exit level feedback from the graduates regarding learning processes. The inputs obtained from them

and further used to improvise the overall competency of the students for employability.

### 6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- Training teachers for excellence
- Sponsoring Faculty & Staff for higher education
- Sponsoring Faculty & staff for attending workshops, conferences at national and international level by granting academic leave
- Organizing Faculty Enablement programmes
- Organizing skill development programmes
- Encouraging faculty to deliver guest lectures outside
- Systematic organization of professional society activities
- Providing industrial training to faculty
- Facilitating faculty to take up various roles in professional societies

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Training New Faculty on instructional design & delivery by the senior faculty of the organization.
- Training to faculty on revised courses by eminent external faculty from industry and institution.
- Deputing faculty to refresher courses
- Guest lectures to faculty by external subject experts
- Formulation of various committees with Faculty in various cadres as members with proper allocation of work, assigning responsibility and grant of adequate authority and autonomy.
- Participative strategy of management

- Appreciation of the expertise merit and talent by providing opportunities for self expression.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Performance Appraisal of the faculty is done with reward parameters to be considered for performance appraisal.

- Feedback
- Examination results
- Teacher's attitude commitment and achievement with regard to his non teaching duties
- Peer analysis and review of performance after six months / one year through written test and interview for Assistant Professors
- R & D which also includes publication of papers, books, etc.
- The mandatory presentations he gives to his colleagues after his return from attending that programme. At the end of every semester, every teacher has to submit a self-appraisal form.

Performance Appraisal of Faculty:

Every teacher will submit Teacher's Self Appraisal Form.

- The Performance Appraisal of the Faculty may be evaluated according to the split up of marks as given below:

Sl. No.	Parameter	Marks		
		Professors	Assoc. Prof.	Asst. Prof.
1	Feedback Analysis	25	30	35
2	Result Analysis	30	35	40
3	Administration	20	15	10
4	R & D and Consultancy	15	10	05
Total Marks		90	90	90

The remaining 10 marks, for an exemplary academic performance, particularly in the field of utilizing his/her knowledge for imparting better education to students through development of labs, innovative and effective theory instruction.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Review of the performance appraisal by Principal for suitable suggestions and remedial suggestion.
- Review of the reports and following actions by the CMC
  - Communication to concerned Faculty, providing support and guidance for improvement
  - Guidance to Junior Faculty by the expert senior faculty of the same subject.
  - The recommendations of CMC on performance appraisal will be submitted to board of governors through Governing Body meeting.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- EPF: Rs.1800/- per month. College pays its contribution of Rs.1800/- month if the faculty member pays his contribution. 100% of staff of availing the benefit.
- Insurance cover for Personal Accidents (Rs.2,00,000/-). 100% of faculty and staff of availing the benefit.
- Transport Facilities: Free Transport for Professors & Concessional transport for other staff. 25 % of faculty and staff of availing the benefit.
- Medical Facilities: Free Medical consultancy and Hospitalization for common ailments: provided through College Medical Centre and one medical officers, one medical assistants. 100% of faculty and staff of availing the benefit.

- Maternity leave: 60 days for two times in career with full pay for 1st time and half pay for 2nd time.
- Sabbatical leave to undertake study or research or other academic pursuits solely for the objective of increasing their proficiency and usefulness to the institution on higher education system.
- Extra Ordinary Leave on Loss of pay

#### 6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Dedicated computer and internet facility to faculty
- Awards are instituted for the faculty as well as supporting staff members. These awards are in the form of Promotions, increments, cash, Laptops etc.
- Incentives like phone allowances will be given for Heads of the Departments.
- Staff members are selected for these awards based on their performance, conduct and commitment in their academic activities as well as their involvement in the developmental activities of the department and the college.
- Cash Awards for Faculty based on performance.
  - 100% pass percentage in Technical Subject - Rs.5,000/-
  - 100% pass percentage in Non-Technical Subject - Rs.3,000/-
  - 95% and above pass percentage in Technical Subject -Rs.3,000/-
  - 95% and above pass percentage in Non-Technical Subject Rs.2,000/-
- Faculties are encouraged by reimbursing the total registration fee towards faculty development programmes along with on duty facility.

- To encourage the faculty in Research and development activities the following incentives are given along with On Duty facility.
  - Publication in International Journals (IEEE Standards) -Rs.5,000/-
  - Publication in International Conferences conducted by reputed Institutions with impact factor of 4 and above - Rs.3,000/-
  - Publication in International/National Conferences conducted by reputed Institutions with impact factor of less than 4 - Rs.2,000/-

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- Institution has well defined mechanism to monitor effective and efficient use of available resources. College obtains proposals from concerned departments in which all the teaching and non-teaching members of the department involve. College receives the needed infrastructural and facilities required by the departments. After assessing the projected income for an academic year, college allocates budget to each department and institution with minute details. While doing so, through discussion will be made in a CMC for prioritizing and transparency.
- Purchases will be made with the recommendations of duly constituted purchase committee. The amounts withdrawn from the banks will follow a systematic mechanism of obtaining the signatures of the cashier, AO, Principal, Secretary & Correspondent and Chairman. In this process the expenditure made will be identified for budgeted expenditure, out of budget expenditure. In case of out of budget expenditure, ratification will be done in a special meeting conducted. In every CMC meeting, Principal presents the Income and Expenditure details.

- 6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Every year, Internal audit will be conducted by the committees appointed by the principal. After thorough verification, committees will submit their appraisals to the principal for follow up action. College accounts will be audited by the qualified chartered accountants. No major audit objections are identified.

- 6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

**Major Sources of Income :**

Tuition fee

Term Loan from Banks and Promoter Society

Details	2013-14	2012-13	2011-12	2010-11
Income	60167298	52094475	55554227	43126250
Academic Expenses	23578587	24835682	17856265	16088082
Administrative Expenses	23931681	9839986	15071890	16372141

- 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

NIL



## 6.5 Internal Quality Assurance System (IQAS)

### 6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? .6 If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

YES, The Institute has established recently the Internal Quality Assurance Cell with the following composition.

#### IQAC Committee

Chairmen - Principal

Convenor - Senior Professor

Members- one from each dept.

The policy of the institution with regard to quality assurance is:

- Fixing quality parameters for various academic and administrative activities.
  - Monitoring the organization of class work and related academic activities.
  - Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
  - Documenting various programs / academic activities leading to quality improvement and reviewing their effectiveness in quality improvement/ sustenance
- b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?
- All the decisions of the IQAC were approved by management for implementation and 90% of them were actually implemented.

c. Does the IQAC have external members on its committee?

If so, mention any significant contribution made by them.

YES.

The following suggestions of the external members of IQAC have been implemented.

- Conduct of Industry related Certification Programmes.
- Conduct of faculty enablement programmes in collaboration with premier academic institutions.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- The student members of Class Monitoring Committees offer their observations / views for enhancing teaching - learning process and conduct of various co-curricular / extra-curricular activities in the institute.
- Alumni are very active and productive in analyzing the requirements of external environment and attributes of the other colleagues and communicating the remedial measures to be taken up at institution level.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- The IQAC constituted different sub committees in which most of the staff members are involved in formulating and executing the decisions of IQAC. The decisions of IQAC are widely communicated to staff members through circulars / notices.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

YES.

- The administration is decentralized and is effectively carried out as per quality policy in line with the suggestions of IQAC.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

YES.

Faculty is being deputed to various training programmes related to quality assurance procedures and standards.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

YES.

Academic audit is conducted on the following:

- i) Course files and lab manuals
- ii) Monthly students attendance
- iii) Internal Exam Marks
- iv) Semester Internal Marks
- v) Semester and exam marks
- vi) Semester wise performance and comparison with other University affiliated colleges.
- vii) Faculty development programmes and their impact on teaching - learning process.
- viii) Training programmes to students.
- ix) Co-curricular / extra-curricular activities.

Based on the report of internal academic audit, the courses of actions / measures being followed are reviewed and suitable remedial measures will be taken.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The internal quality assurance mechanisms are designed keeping in the requirements of various accreditation bodies like NAAC, NBA, etc.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The following points are considered for formulating the policies on Teaching - Learning Process

- The inter semester and end semester feedbacks on all the subjects are taken from the students in every semester.
- The feedback is analyzed and evaluated on the scale of 100 and every teacher is provided with a copy of feedback for making necessary corrections. Further, teachers are counseled by the head of the department, Dean Academic Affairs, Principal and Director if required.
- The administration also receives the feedback by interacting with a selected group of students from each class.
- Monitoring is also done through class monitoring committees (CMCs) to assess the uniformity in syllabus coverage, and also the quality of teaching.
- Annual review interviews are conducted to evaluate the knowledge and ability of the faculty to teach the curriculum subjects by external experts.
- The quality of course material and assignments prepared by the faculty are assessed internally and suitable suggestions for

enriching the course materials and assignments are given by the senior faculty of the departments.

- New / creative assignments are prepared every year in all the subjects.

#### Evaluation Procedures & Feedback

- The evaluation of faculty by the students through feedback forms is done twice in a semester. This feedback is analyzed and appropriate suggestions are given to the faculty by the HoD concerned and the Principal to see that they rectify the short comings.
- The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work.
- The faculty members below five years of service are evaluated by the external peers in the review interviews.
- The head of the institution interacts with few students of each class and takes the feedback on the teachers about the effectiveness of their classes and learning material provided.
- Performance and self-appraisals are taken from the faculty at the end of every academic year and their performance is evaluated. Based on the evaluation report faculty are counseled or penalized.

#### Syllabus:

- JNTUK prescribed syllabus will be followed.
- Extra content shall be given on the skills in demand for employment.

**Academic Calendar:**

- Number of instructional days, contact hours per week to be followed as directed by JNTUK.
- Additional teaching hours for the extra content shall be arranged after normal contact hours.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The institution communicates its quality assurance policies, mechanisms and outcomes through college publications and website.

## CRITERIA VII: INNOVATIONS AND BEST PRACTICES

The institution in its practices has always been environment friendly and during the last five years, the campus has been highly sensitive to issues like Green Campus, climate change and environmental degeneration. It mainly concentrates on 'Clean Campus - Green Campus' and it is avowedly committed to promote an ambience of creativity and is concerned with quality achieved through innovation.

### 7.1 Environment Consciousness

Bonam Venkata Chalamayya Institute of Technology & Science is located at Batlapalem, Amalapuram , a village in East Godavari district in Andhra Pradesh. A tranquil world in itself, the campus stands unique with its lush green expanse, paved pathways, colorful plants, breeze and a serene, soothing environment. Our strategic plans for development have always been driven by a love of nature and sustainability of important resources like energy, water, green cover etc.

#### 7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

YES

The institution is conscious of its responsibilities to the environment and conducts Green Audit of its campus and facilities. The institution maintains a checklist of the following in connection with Green Audit:

- Consumption of electricity in the campus; optimum utilization.
- Collection service record for waste materials/condemned equipment.
- Facility information such as number of users and functions.
- Feedback mechanism from facility users.

- Sustainability principles, practices and Environmental Studies are part of Curriculum.
- The NSS team takes care of maintaining neat environment in the college campus.
- The Gardeners take care of the lawn and plants in the college.

#### 7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

##### a) Energy

###### Conservation

- Awareness among the students and staff on energy conservation is created by displays at appropriate places.
- Switching off all the electrical utilities whenever and wherever they are not required.
- All the departments are equipped with appliances and equipment that consume low power.
- The buildings are fitted with glass windows for maximum utilization of natural light.

- 
- The college has widespread arrangements for power distribution with a Central Substation, Control panel and Power room.

##### b) Use of Renewable Energy

- Steps are being taken for the utilization of solar power in the college campus.

##### c) Water Harvesting

- To minimize the wastage of water resources and to improve the water table, the rain water is led into the pond located



in the campus.

**d) Check Dam Construction**

- At present there is no check dam in the college premises.

**e) Efforts for Carbon neutrality**

- Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students.
- The institute restricted the usage of plastic bags in the campus.

**f) Plantation/Greening Drives**

- Plantation program has been taken up by the NSS unit for increasing the Green Cover in the village.
- The NSS unit regularly conducts awareness programmes on plastic free environment in and around the village.



**g) Hazardous Waste Management and e-Waste Management**

- The condemned batteries are disposed through outside agencies.
- Awareness programmes are initiated on waste management.

## 7.2 Innovations

Though restricted by the limited academic freedom of an affiliated institution, this college has introduced a spectrum of transformative and innovative options during last four years to respond to the complex needs of its stakeholders, as mentioned hereunder.

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

a) Innovative mechanism / process for internal quality checks

In its quest for excellence, the institution seeks continuous innovation for quality assurance in academic programmes & administration. Some of the mechanisms adopted are:

Academic system

- Handouts with lecture plan, syllabus, university academic calendar, assignment questions, useful Uniform Resource Locators (URL) and references are distributed to the students in the beginning of the semester.
- Content Preparation is made available to all the students.
- Close monitoring of course coverage through frequent meetings of HODs with faculty members.
- Class Representatives meetings are held once in 15 days.
- Regular monitoring of academic activities through College Academic Committee (CAC).

- Periodic collection of student feedback on individual subject teachers.
- Review of performance of teachers based on feedback and pass percentage of students at university examinations.
- Faculty counselors for every 20-30 students.
- Remedial classes, bridge courses to make up for weak and slow learners.
- Inviting experienced academia from reputed institutions and industry experts for delivering guest lectures.
- Incentives for those carrying out research and publishing papers /participating in Seminars/Conferences.
- Parents are informed about the performance of students after every internal examination. The attendance of students is closely monitored and informed to parents on daily basis. Also the performance of the students in the internal / external examination is communicated to parents. The students are counseled in this regard.

#### Administrative system:

Administrative mechanisms are in place for quality assurances are:

- An exclusive Examination Section headed by Officer-In-charge Examination is constituted.
- Training and Placement Cell takes care of all the aspects related to placements.
- Grievance redress cell to attend to the problems of students.
- College administration is run through Management,

Principal, HODs and Professors. All decisions are implemented after a consensus is arrived at.

- There is a centralized research committee with Principal and Coordinator R & D to overview all R & D related activities at departmental and institutional level.
- Maintenance of all buildings and other infrastructure is entrusted to Maintenance committee.
- A full time Physical director attend to all sports activities of boys and girls.
- Technicians in all departments look after the repair and maintenance of lab equipment under the supervision of the teaching staff.
- HOD and senior faculty of each Department look after the teaching and learning process in each Department.

**b) Quality assurance for academic programmes Performance Monitoring**

- Right from the time of admission, performance of every student is carefully monitored. Based on the examination results, faculty counselors take up counseling of poor performers and try to assess the reasons for their poor performance. HOD's arrange special classes for poor performers.
- Periodic meetings are conducted by the Principal and HODs to review the results of internal and external examinations.
- The analysis of the results of end semester examinations is carried out, and further discussed by HOD with the Principal.
- Teaching staff members guide the students in their

projects, monitor

their performance and counsel them regarding their performance, apart

from regular teaching. Thus, teachers play different roles like project guides, counselors, etc.

- This process ensures the quality of the teaching process.

#### Administration

- Academic Coordinators and Class In charge closely monitor student performance and intimate the parents.

#### Student evaluation

- At college level two online tests and two descriptive tests in a semester are conducted for internal evaluation. The university conducts the end semester examination.
- Evaluation procedure & guidelines are given to the staff for both theory & practical exams. Corrected answer scripts of internal exam are shown to the students. Students are encouraged to express their doubts and irregularities observed, if any, in the evaluation, to the notice of concerned teachers, and to HOD, if necessary. The results are monitored by the HOD.

#### Automation of student information

- Automated information sharing mechanisms implemented by the institution enable close monitoring of student performance as well as attendance and helps in passing on the information to their parents.

#### c) Quality assurance for administration

- All eligible UG engineering programme have been accorded

the status of accreditation for TWO years in 2014 by NBA, New Delhi after considering the quality of the education imparted and other practices of the college and its infrastructure.

- Enhanced placement record.
- Improvement in faculty expertise leading to qualified faculty.
- Provides opportunities to non teaching staff to enhance their skills and qualifications.

**d. Innovations in Research and Development and Extension**

- Research committee overviews the R & D activities in the college.
- Centralized R & D lab is established in the college.
- Inter-departmental research projects are encouraged.

**e. National Events**

- Several state level events like seminars, workshops are conducted for students and faculty in order to update their knowledge.
- The institute conducts a technical event called EVINCE every year, in which the students from all engineering colleges from the entire state participate to exhibit their talents in various technical activities and conducts National level youth festival named HORIZON which helps the students to exhibit cultural, extra circular and sports & Games talents.
- For effective teaching-learning process, e - content, modern ICT tools such as LCD projector, etc. are made use of.

**f. Installation of latest configuration computers**

- The systems with old configuration were replaced by the systems with latest configuration. Majority of the computers are P IV with Dual Core processors.

g. Engineers' day celebrations

- The institute conducts Engineers' Day Celebrations every year on 15<sup>th</sup> September since its inception. On this day, the students exhibit their creative technical exhibits evaluated by judges. This event increases innovative capabilities of budding engineers.

h. Students' exposure to industries

- The students go on frequent visits to different industries related to their branch so that they can observe the processes taking place there. This provides greater awareness and clarity on the concepts and techniques they learn in the classrooms.

i. Group Insurance for Staff-members

- Group insurance facility is provided to the staff-members of teaching and non-teaching staff.

j. Industry Institute Interaction

The following points are considered for formulating the policies on Industry-Institute Interaction

➤ Industries role in curriculum planning

Departmental Academic Committee is formed by each department in collaboration with industries for Curriculum enrichment as per emerging trends.

➤ Consultancy and Extension Lectures

- The College provides all the necessary facilities for consultancy work at institute level.

- Guest lectures by eminent personalities / industrialists are arranged for the benefit of students and Staff members.

➤ Continuing education and Industrial Internship

- College organizes Guest Lectures by industry experts / eminent personalities on latest technologies.
- Professional Society membership is made obligatory to all faculty members of the college.

➤ Industrial Visits and Industrial Training

- Local Industrial Visits are arranged for II year students by obtaining permission from industries.
- III year students are permitted to set out for industrial tour.
- Industrial Training is encouraged for III year students during summer.

➤ Project Work

Students are encouraged to take up Industry related projects. The college has entered into MOUs with the following industries in this regard.

- (i) Talent Sprint, Hyderabad,
- (ii) Naresh I Technologies, Hyderabad
- (iii) KREST Technologies, Hyderabad, etc.

➤ Placement

A training and placement cell is established with necessary infrastructural facilities for providing training and placement assistance to students.



#### k. Learner Centered Teaching

The College adopts a mix of different methods of teaching like interactive, discussion based, project based and seminars to supplement the normal lecture method, depending on the nature of the content of instruction.

➤ **Lecture Method:**

The lecture method is used to the extent of 60 to 75 % to explain abstract and conceptual parts of the subject which demand critical thinking and analysis. Teacher presents the relevant data and diagrams through power point / chalk-board mode.

➤ **Interactive Method:**

The lecture method of teaching is supplemented with “discussion and interactive method” wherever needed.

➤ **Project-based learning:**

This method is mostly used for self learning to improve the learning ability of student and to reinforce knowledge received during the lecture. Being a technical institute, this method is extensively used to provide practical evidence of the theory learned. Students are asked to prepare projects with a clear concept of the principles learned. The teacher guides the students at various stages of developing the project, further gives timely inputs during the preparation of the project work.

➤ **Seminar Method:**

From time to time, the teacher involves the active students into the seminar method. A student is advised to come prepared on an assigned topic and present a seminar

before the faculty and students. This method makes the student to undertake extensive reading and preparation, further; helps to improve the student's communication and presentation skills.

➤ **Computer -Assisted Learning (CAL):**

CAL is a very effective method in teaching and learning process. It involves visualizing, analyzing and understanding complex topics and interpretation of large data and is extensively put in practice in this college.

**l. Shift from content to competency**

The practice of giving assignments and their evaluation and assigning project module for improving competency is strictly followed.

**m. Innovative Instructional Methods**

Experiential learning (learning by doing), inquiry and discovery, problem- based learning, collaborative and cooperative learning in groups is encouraged.

**n. E-learning Applications**

Classrooms are in the range of Wi-Fi communication facility of the college and are equipped with latest systems, Projectors, etc., for facilitating e- learning.

**o. Innovative techniques in Assessment**

Surprise tests, online tests, seminars, assignments, etc. are conducted for assessment.

**p. Innovative to be Coherent and Integrated**

'Talent Seeking' programmes, Orientation Programmes, Bridge Courses to help students integrate the disparate elements of their college experiences are in place.

q. Innovation in Infrastructural Planning:

A/C seminar halls, computer labs, e-classrooms, separate building for amenities, separate R&D lab for researchers, Infosys Foundation Programme in collaboration with Infosys and Mobile Computing Centre for developing Mobile Applications are part of the infrastructure.

r. Innovative 'Higher Focus Course'

Special training programmes - Research oriented sessions, Computer training, Personality development, Spoken English classes are organized.

s. Innovative Incentives and Reward Schemes

The institute encourages the students to do innovative projects with special awards and prizes

- The college has instituted gold medals and cash awards to best outgoing student, best outgoing girl student, branch toppers, best project works, best outgoing sports person & sports woman and GATE & GRE rankers. Certificates of Excellence and Merit are also awarded.
- State level Technical Project Exhibition competitions are conducted every year by each department to bring out the innovative thoughts & their implementations of the students.

t. Innovative Faculty Development Initiatives Sponsoring to higher education:

- Faculty with a minimum of two years service with satisfactory performance will be given preference and shall be sponsored for the higher programme in the required specialization only.

Types of sponsorships:

Type - I:

The college may sanction leave for higher studies providing service benefits like salary and EPF etc. They should stay for a minimum period of two year.

Type - II:

For Ph. D sponsoring, it will be considered case by case.

#### v. Innovative to be socially responsible

- NSS activities and all departments are undertaking activities like blood donation camps, Eye Donation Awareness Rally, awareness on voter registration system, Special Camp, visits to Orphanages, Medicine Distribution, Driving Rules Awareness Camp, Fire Demo, Mass tree plantation Program, clean and green program, Man & Environment activity programme, create awareness in people in respect of their role in developing hygienic environment and AIDS awareness camp are also conducted.

Other innovations that impacted the functioning of the college

- The institute functions as per its Quality document which covers all the areas of the college, to ensure transparency.
- The institute forms various CELLS and COMMITTEES for implementation of curricular, co-curricular and extra-curricular activities.
- The proposals of the College Management Committee (CMC) shall be presented to the Governing Body for its consideration.
- The College Management Committee (CMC) headed by the Chairman of the college presents its proposals and policies to the Governing body. The CMC meets at least once in six

months to take stock of Academic, Administrative, Maintenance and Developmental activities and communicates its decisions to the College Academic Committee (CAC) for follow up action.

- College Academic Committee (CAC) meetings headed by the Principal will be convened whenever necessary to chalk out a blue print of issues to be discussed and steps for their implementation.
- College Magazine, Handbook, Newsletter, Brochure, Department magazine, etc. are brought out.
- Student exit feedback, feedback from faculty & staff on the institute, teacher's monthly report, proforma of appointment order, teacher's self appraisal report, performance appraisal of faculty, result analysis, self appraisal report of lab technicians, the semester wise feedback on teachers, the first in the middle of the semester and second at the end of the semester lead to improvement of the Teaching-Learning process.

#### Innovative Practices of Various Departments

- In addition to the above, various innovative practices have been adopted by all the departments which are explained in the evaluation reports.

### 7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no. 98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Even though the college has quite a number of healthy practices, two of them, "Remedial Classes and Question Banks and mini projects

implementation” and “Social Responsibility towards Society” deserve special mention. There is a growing need for educational institutions to become more accountable to the needs of the students, staff & Society.

The institution lays special emphasis for implementing these practices. These, in tandem with the Innovations mentioned earlier, have contributed, in a large measure, to the achievement of the institutional objectives as well as improvement in the quality of different activities of the college.

#### Best Practice - 1

Multi mode teaching practice in all class rooms, Introduction of Remedial Classes and Question Banks and mini projects implementation in every year.

#### GOALS:

1. The ability to comprehend reading material and apply information to the solution of complex problems;
2. The ability to write and speak clearly;
3. The ability to understand mathematical data and use math and technology as problem solving tools;
4. The ability to work effectively in teams
5. The competencies to master the Form One Promotion Test to proceed to Form One.
6. The purpose of the mini-project is allow to explore the breadth of research that is being performed within the college.

### THE CONTEXT:

The college in the academic world introduced the technique of remedial classes and preparing question banks keeping in view the examination perspective. The students belonging to the college are given extra coaching by addressing their problems. Their skills are sharpened and chiseled keeping in view the patterns of the final examinations. They are given a list of important prepared by the expert faculty. This has helped them attain their targets in a better way.

### THE PRACTICE:

The students were given extra guidance in the core subjects of their respective specialization in particular. The college ensured that the students are provided with the Question framed by the experienced faculty of the college. This action has resulted in a steep in the failure. The Question Banks have facilitated the students in such a way that their efforts in the final exams have started bearing fruits. Faculties are providing course files which are containing question bank, lecture notes, assignment questions for students to improve the quality of education. Remedial classes are conducting for weak student for corresponding courses. For improving the critical thinking among the students we are conducting tutorial classes. To encourage the students to do the mini projects for improving their practical knowledge. Apart from the conventional blackboard teaching, the following multi mode teaching methods are being adopted/ introduced in class rooms in order to improve the knowledge of the students through these innovative methods of content delivery, ie Learning by doing, PPT/LCD Projector, Internet, Role play, Models/chart, Video lectures, Group tasks.

### EVIDENCE OF SUCCESS:

- The pass percentage was improved in university examinations.
- Most of the students from institute have participated and won awards in -Technical Paper Presentation competitions.

- Most of the Faculties from the institute have registered for Ph.D and few more are in the process of registration.
- Many students are involved in real time problem solving group, attend workshops related to entrepreneurship development and contribute to the society.

#### PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- To add more qualified and experienced faculties in all departments.
- More budget provision needs to be made to develop research oriented lab, to give more exposure to the students for their overall development.
- More awareness is needed to create among Faculties and students about various funding agencies, writing good research proposal and PhD research centre.
- Scarcity of senior and faculties having research experience.

#### BEST PRACTICE - 2

#### Creation of Awareness among Faculty and Students about Their Social Responsibility towards Society

##### GOALS:

To develop ethical and moral values among Faculty and students

- To imbibe education among the Faculties and students for the upliftment of the society and community
- To inspire students and Faculties for the development of educationally deprived community.
- To develop passion among students and Faculties about their social responsibilities, this will excite community globally.
- To create harmony and peace among the Faculties and students and non-technical staff.



### THE CONTEXT:

- To develop society, the institute has decided to create engineers having social, ethical and moral values. The need of the society today is to develop budding engineers having research mindset, ethical values and entrepreneurship skill.
- The young generation is very volatile and it is necessary to bring awareness among them regarding their social responsibility. The research work carried by the students and Faculties should be oriented towards the benefit of the society

### THE PRACTICE:

BVC Institute of Technology & Science constantly striving to create awareness among Faculties and student by following the practices mentioned below:

- Institute conducts the programs on stress management.
- Institute conducts the program on National Service Scheme(NSS).
- It also arranges the visit of faculty and student to the rural areas to make the student & faculty aware the social, rural conditions & problems.
- Institute understands the importance of learning the life skills & organizes cultural, co-curricular program, tours, and visits, conferences to develop interpersonal skill, decision making and values clarification.
- Institute encourages & motivates the student to nontraditional programs.
- It also offers the NSS scheme to understand the social responsibilities.
- Institute gives priority & concession in tuition fee to economically weaker students on case to case bases.
- Institute has code of conduct for staff & students.
- Institute arranges the special social activities to maintain good social environment in the Institute.
- Institute provides information about government aids, scholarship etc.
- Institute provides partial / full concession in fees to few deserving candidate.

- The departmental library is developed through donation of books by students & faculty which is made available to economically weaker students.
- Institute does the survey of the society needs & accordingly organized the activity.

#### EVIDENCE OF SUCCESS:

- SC/ST/OBC/ minority students are given benefits of reservations in admission & scholarship as per government norms.
- NSS activity also gives the social ethical awareness among student.
- By organizing health camps, blood donation camps, Eye Camp, tree plantation, etc.
- Community activity is promoted in the neighborhood of the institution.
- Tree Plantation drive was organized by NSS.
- Institute provides monetary benefits to weaker section of society for their minimum requirements.
- We organize Workshop such as Stress free Life by the selected resource person in accordance with community.
- Institute has constructive relationship with Govt. Hospital, Amalapuram and Blood bank, under which blood donation camp, Blood Group test and hemoglobin test are conducted regularly.

#### PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- Going to the villages and convincing them that the institute is working for their betterment is a herculean task.
- More budget provision needs to be made for carrying out social work.
- The curriculum limits the social activity to some extent.
- Being affiliated, Institute has less autonomy to carry out social work

# **PART D**

# **EVALUATION REPORT OF THE DEPARTMENTS**

## Electrical and Electronics Engineering

1. Name of the department: Electrical and Electronics Engineering
2. Year of Establishment: 2002
3. Names of Programmes /Courses offered( UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D.,etc. ):

UG: B.Tech (Electrical and Electronics Engineering)

PG: M.Tech (Power Systems)

4. Names of Interdisciplinary courses and the departments/units involved:  
NIL
  5. Annual/semester/choice based credit system ( programmewise ):
- UG : B.Tech (Electrical and Electronic Engineering) - Semester based credit system - Electives in higher semesters
- PG : M.Tech (Power Systems) - Semester based credit system - Electives in higher semesters
6. Participation of the department in the courses offered by other departments:

S.No.	Programme	Courses offered by other departments
1	B. Tech	Civil Engineering
		Mechanical Engineering
		Electronics & Communication Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/programmes discontinued(if any) with reasons:

NIL

## 9. Number of Teaching posts:

	Sanctioned	Filled
Professors	02	01
Associate Professors	06	02
Asst.Professors	19	24

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

Sl.No	Name	Qualification	Designation	Specialization	No.of Years of Experience
1	ANVJ RAJA GOPAL	M.TECH MISTE	PROFESSOR & HOD	POWER SYSTEM EMPHASIS WITH HIGH VOLTAGE	14
2	KARRI VV SATYANARAYANA	M.TECH	ASSOC.PROF	POWER ELECTRONICS	5
3	NARESH PATHAKAMURI	M.E	ASSOC.PROF	ELECTRONICNI C INSTRUMENTATION	5
4	S CHANDRA PRAKASARAO S	M.TECH	ASST.PROF	ADVANCED POWER SYSTEMS	2
5	SUBBI NAIDU BORA	M.TECH	ASST.PROF	ADVANCED POWER SYSTEMS	2
6	SITARAM APPARI	M.TECH	ASST.PROF	ADVANCED POWER SYSTEMS	1
7	KOTIPALLI SRIRAM	M.TECH	ASST.PROF	KOTIPALLI SRIRAM	2
8	NAINALA VASANTHA KUMAR	M.TECH	ASST.PROF	POWER ELECTRONICS	4
9	SHAMYALA JAYANTHI	M.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS ENGINEERING	1
10	A RAVI VISWANATH	B.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS ENGINEERING	4
11	PANJA BHOGI RAJU	B.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS ENGINEERING	3
12	T SASHANK SOWRI	B.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS	2

				ENGINEERING	
13	MAMIDISSETTY SARASWATHI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
14	GOUSE MOHIDDIN KHAN	B.E	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
15	ESWARACHANDRA VIDYA SAGAR MUDUNURI	B.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS ENGINEERING	3
16	NARESH MEESALA	B.TECH	ASST.PROF	ELECTRICAL & ELECTRONICS ENGINEERING	1
17	SUSMITHA PADAMATA	B.TECH	ASST.PRIF	ELECTRICAL & ELECTRONICS ENGINEERING	1
18	LAKKIMSETTI VEERA BHADRA SURESH	B.TECH	ASST.PRIF	ELECTRICAL & ELECTRONICS ENGINEERING	4
19	PONAGANTI SIVA PRASAD	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	3
20	CHALADI GANGA BHAVANI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	2
21	KENGUVA ASHOK KUMAR	B.TECH	ASST.PROF	ELECTRICA& ELECTRONICS ENGINEERING	2
22	SHAIK ASKARI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
23	KOLAGADI RAVI TEJA	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
24	SOWJANYA ANUPINDI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
25	PKUMARRAJU INDUKURI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	2
26	V M SATISH KUMAR DANGETI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1
27	SHEIK MEERABIBI	B.TECH	ASST.PROF	ELECTRICA & ELECTRONICS ENGINEERING	1

11. List of senior visiting faculty:

NIL

12. Percentage of lectures delivered and practical classes handled (programmewise )

By temporary faculty: NIL

13. Student-Teacher Ratio ( programmewise ):

UG: B.Tech : 1:15

PG: M.Tech : 1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Academic Supporting staff(Technical)	07	07
Administrative staff	02	02

15. Qualifications of teaching faculty with DSc /D.Litt / Ph.D/ MPhil/ PG.

No.of Faculty with PG (M.Tech)	No.of Faculty with UG (B.Tech)
09	18

16. Number of faculty with on going projects from a)National b)International funding agencies and grants received: NIL

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre/facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

s.no	Name of the faculty	No.of publications	Monographs
1	Mr.ANVJ Raja Gopal	1	1
2	Mr.V V Durga Prasad	1	1

	Reddy		
3	Mr.P.NagaMuneendra	1	1
4	Mr. N Vasanthkumar	1	1
5	Mr. T Maniratnam	1	1
6	Mr.K Sriram	1	1
7	Mr. K L N Durga Prakash	1	1
8	Prof SYED K Moinuddin	2	
9	Prof R V D Rama Rao	2	
10	Mr P Naresh	1	
11	Mr K V V Satyanarayana	1	

20. Areas of consultancy and income generated:

#### SOLAR SYSTEM

21 Faculty as members in

- a) National committees-----NIL
- b) International Committees----- NIL
- c) Editorial Boards-----NIL

22. Student projects

a)Percentage of students who have done in-house projects including interdepartmental/programme.

100% Students Have done in house projects

- a) Percentage of students placed for project organizations outside the institution i. e. in Research laboratories/Industry/ other agencies. NIL

23.Awards/Recognitions received by faculty and students

S.No	Name of the student	Program	Award/Recognition
1	S. Gayathri Thrayambica	KCKC-2k12	Gold Medal
2	CH. SUPRIYA	Medha milan 2013	First prize
3	M.D.D. SRILEKHA	Medha milan 2013	First prize
4	N ANIL KUMAR	Power 2k-13	First prize
5	K SRINIVASARAO	Power 2k-13	First prize
6	N ANIL KUMAR	Abhysa 2k-13	First prize
7	K SRINIVASARAO	Abhysa 2k-13	First prize
8	G.D.PRASAD	Abhysa 2k-13	First prize



9	P.RAVI VARMA	Abhysa 2k-13	First prize
10	N.S.R.MANIKANTAVARMA	Abhysa 2k-13	First prize
11	N.DURGARAO	Abhysa 2k-13	First prize
12	ACHANTA VENKATESH	Electrodyn-2k12	First prize
13	DUDALA JYOTHI SINDHUJA	Electrodyn-2k12	First prize
14	DAKI PRAVEEN KUMAR	Electrodyn-2k12	First prize
15	GADIRAJU SRIVIDYA	Electrodyn-2k12	First prize
16	D S N V PRATAP	Evince-2k12	First prize
17	D HARIKA	Evince-2k12	First prize
18	M.Satish kumar	VALIANT-2K11	First prize
19	N.Durgarao	ABHYASA-2K12	First prize
20	N.S.R.Manikanta varma	ABHYASA-2K12	First prize
21	P.Ravi varma	ABHYASA-2K12	First prize
22	KOLLA H S NAGA VANI	ELECTRODYN-2K11	First prize
23	BONU NAGA RAJU	ELECTRODYN-2K11	First prize
24	CHINTALAPUDI SRINIVAS	ELECTRODYN-2K11	First prize
25	DANDUPROLU DEVANAND	ELECTRODYN-2K11	First prize
26	B GANGADHAR	ELECTRODYN-2K11	First prize
27	A SANTOSH KUMAR	EVINCE-2K11	First prize
28	K RAVI KUMAR	EVINCE-2K11	First prize
29	B RAMAKRISHNA	EVINCE-2K11	First prize
30	CH NAGENDRA	EVINCE-2K11	First prize
31	B JAYA SHANKAR	EVINCE-2K11	First prize
32	DONIPATI PADMA	EVINCE-2K11	First prize
33	B NAGARAJU	EVINCE-2K11	First prize
34	P.Naveen Kumar	SCUBA, ISITECH BUSINESS SCHOOL	First prize
35	A M S RUPADEVI	ELECTRODYN-2K10	First prize
36	N JOVEL RAJU	ELECTRODYN-2K10	First prize
37	V ANIL KUMAR	ELECTRODYN-2K10	First prize
38	CH V M DEEPTHI	ELECTRODYN-2K10	First prize
39	P DHANESH	ELECTRODYN-2K10	First prize
40	S.V.N.G.Raju	YUVAGALA-2K12	First prize
41	S.Sri hari baba	YUVAGALA-2K12	First prize
42	V.Murali mohana rao	HORIZON-2K13	First prize
43	Ch.Manikanta	HORIZON-2K13	First prize
44	B.Sandeesh	HORIZON-2K13	First prize
45	T.Manikanta	HORIZON-2K13	First prize
46	N.Manikanta	HORIZON-2K13	First prize
47	Vijay	HORIZON-2K13	First prize
48	N.V.Sai Kishore	HORIZON-2K13	First prize
49	P.Mahesh	HORIZON-2K13	First prize
50	Ch.Venkat	HORIZON-2K13	First prize
51	Vijay	HORIZON-2K13	First prize
52	Siva Ganesh	HORIZON-2K13	First prize
53	Ranjit	HORIZON-2K13	First prize
54	Pallapuraju	HORIZON-2K13	First prize

55	Ravi	HORIZON-2K13	First prize
56	Pradeep	HORIZON-2K13	First prize
57	S.V.N.G.Raju	Republicday	First prize
58	S.Sri hari baba	Republicday	First prize
59	K. Satish Kumar	Aahlaada-2k14	First prize
60	K. ram prasad	Aahlaada-2k14	First prize
61	P.Venkatesh	Power-2k14	First prize
62	Ch. Sanjusha	Exult-2k14	First prize
63	L.S.S. Uma	Exult-2k14	First prize
64	D D G Mani Prasad	Abhyasa-2k14	First prize
65	K. SatishKumar	Abhyasa-2k14	First prize
66	MVS Teja	Techenclave-2k14	First prize
67	M.Mohan Kumar	Techenclave-2k14	First prize
68	V. Venkata Ayyappa	Evince-2k14	First prize
69	PV Srinivasa Rao	Evince-2k14	First prize
70	P. VENKATESH	Emerge-2k13	Second Prize
71	P. TEJA	Emerge-2k13	Second Prize
72	G SANDEEP	Pragnaan-2013	Second Prize
73	I C SHEKAR	Pragnaan-2013	Second Prize
74	CHOLLANGI VENKATA NAVEEN	Electrodyn-2k12	Second Prize
75	KAKARA SEKHAR	Electrodyn-2k12	Second Prize
76	MD MAHABOOB ALI KHAN	Electrodyn-2k12	Second Prize
77	HARI SUBHAM	Electrodyn-2k12	Second Prize
78	T MADHAVI	Evince-2k12	Second Prize
79	K RAVIMKUMAR	Evince-2k12	Second Prize
80	A SOWJANYA	EVINCE-2K11	Second Prize
81	N S PREM KUMAR	EVINCE-2K11	Second Prize
82	G T CHAKRAVARTHI	EVINCE-2K11	Second Prize
83	G MANIKANTA	EVINCE-2K11	Second Prize
84	M KALYANI	EVINCE-2K11	Second Prize
85	K LAVANYA	EVINCE-2K11	Second Prize
86	GUMMAPU RAVI KUMAR	EVINCE-2K11	Second Prize
87	K.Niteja	ARC-XI	Second Prize
88	N.S.R.Prem Kumar	ARC-XI	Second Prize
89	A.R.V.Ganesh	WAVES-2012	Second Prize
90	P.Pavan	WAVES-2012	Second Prize
91	N.Manikanta	WAVES-2012	Second Prize
92	K.Vara Prasad	WAVES-2012	Second Prize
93	B.RAMA KRISHNA	ELECTRODYN-2K11	Second Prize
94	M.PAVAN KUMAR	ELECTRODYN	Second Prize
95	M.SURESH	ELECTRODYN	Second Prize
96	M.SATISH KUMAR	ELECTRODYN-2K11	Second Prize
97	N D K N BABU	ELECTRODYN-2K11	Second Prize
98	G MANIKANTA	ELECTRODYN-2K10	Second Prize
99	S V RAMANA	ELECTRODYN-2K10	Second Prize
100	D SRINIVAS	ELECTRODYN-2K10	Second Prize
101	G MANIKANTA	ELECTRODYN-2K10	Second Prize

102	G USHA RANI	ELECTRODYN-2K10	Second Prize
103	P.Naveen Kumar	NIPUNA-10	Second Prize
104	N.S.R.Prem Kumar	ABHYASA-2K12	Second Prize
105	K.Niteja	ABHYASA-2K12	Second Prize
106	P.N.SV.S.Prasad	EVINCE-2K11	Second Prize
107	N.D.K.N.Babu	EVINCE-2K11	Second Prize
108	V.G.M.Krishna	Ethnic-2k14	Second Prize
109	K.Manoj Kumar	Ethnic-2k14	Second Prize
110	K. Ram Suresh	Ethnic-2k14	Second Prize
111	M.Mohan Kumar	Power-2k14	Second Prize
112	K. Satish Kumar	Power-2k14	Second Prize
113	B T V SaiKumar	Evince-2k14	Second Prize
114	N Sandeep	Evince-2k14	Second Prize
115	P N V S Manikantha	Evince-2k14	Second Prize
116	Ch. Sanjusha	Evince-2k14	Second Prize
117	G V Srikanth	Tech Fest-2k14	Second Prize
118	K Yuvaraju	Tech Fest-2k14	Second Prize
119	SRAVANI TELLAKULA	Electrodyn-2k12	Third prize
120	GUMMALLA SANDEEP	Electrodyn-2k12	Third prize
121	GUMMAPU RAVI KUMAR	Electrodyn-2k12	Third prize
122	ILLA CHANDRA SEKHAR	Electrodyn-2k12	Third prize
123	R VAMSIDHAR	Evince-2k12	Third prize
124	A NAGARAJU	Evince-2k12	Third prize
125	K SIVA KUMAR	Electrodyn-2k11	Third prize
126	N THOMAS	Electrodyn-2k11	Third prize
127	K PRIYANKA	Electrodyn-2k11	Third prize
128	K MANIKANTA	Electrodyn-2k11	Third prize
129	K RAJ KUMAR	Electrodyn-2k11	Third prize
130	A PHANI	Electrodyn-2k10	Third prize
131	Y RATNASRI	Electrodyn	Third prize
132	M SURESH	Electrodyn	Third prize
133	M SATISH KUMAR	Electrodyn	Third prize
134	G SRI LAKSHMI	Electrodyn	Third prize
135	S S H Manikantha	Horizon-2k13	Third prize
136	P N V S Manikantha	Horizon-2k13	Third prize
137	B Siva Sairam	Horizon-2k13	Third prize
138	T Lova Raju	Horizon-2k13	Third prize
139	K. Satish Kumar	Horizon-2k13	Third prize
140	P.N.S V.S.Prasad	YUVA NIRMANN-2K11, GITE	4 <sup>th</sup>
141	N.D.K.N.Babu	YUVA NIRMANN-2K11, GITE	4 <sup>th</sup>

## 24. List of eminent academicians and scientists / visitors to the department.

s.no	Year	Name of the academician/Scientist	Designation	Organization	Purpose of Visit
1	2011	Dr. Ganapathi Panda	Professor	IIT, Bhubaneswar	Workshop
2		Mr. S Ganapathi, Rtd S.E, APTRANSCO	S.E	APTRANSCO	Seminar
3	2012	Mr. B Naresh,	Asst.Prof	JNTUK	Guest lecture
4		Dr. CH Sai Babu,	Professor	JNTUK	Guest lecture
5		Mr.Md Irfan	Assistant engineer	TRANSCO	Seminar
6		Mrs. G Sujatha	Senior Engineer	Design & Energy Solutions Bangalore	Seminar
7		Dr. R kameswara Rao	Associate Professor	JNTUK	Guest lecture
8	2013	Mr. K Siva Kumar	Assistant Professor	IIT, Hyderabad	Workshop
9		Dr. K B Madhu Sahu, ,	Principal	AITAM, Tekkali.	Workshop

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding a) National b) International

S.No	Year	Name of the Seminar/conference/workshop	Dates	Source of funding
1	2011-12	Research Methodologies on Soft Computing Technologies & Applications	10 <sup>th</sup> August 2011	BVCITS
2	2012-13	Recent Trends in Power Electronics	17 <sup>th</sup> & 18 <sup>th</sup> Feb 2013	BVCITS

## 26. Student profile programme/course wise:

Year	Name of the Course / program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
2007-11	B.Tech (EEE)	*	66	46	20	83
2008-12		*	68	51	17	83
2009-13		*	109	84	25	57
2010-14		*	129	111	18	47
2011-15		*	88	79	09	--
2012-14	M.Tech (PS)	*	18	15	03	--
2013-15		*	16	14	02	--

\* Admissions are through EAMCET/PGECET counseling of AP State Govt

## 27. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2007-11	B.Tech (EEE)	100	-	-
2008-12		100	-	-
2009-13		100	-	-
2010-14		100	-	-
2011-15		100	-	-
2009-10	M.Tech (PS)	100	-	-
2010-11		100	-	-
2009-12		100	-	-
2010-13		100	-	-
2011-14		100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the competitive exam	No. of students qualified			
	2010-11	2011-12	2012-13	2013-14
GATE/PCET	3	5	7	-
GRE	-	1	1	-
PUBLIC SECTORS	1	1	-	-

## 29. Student progression

Student progression		Against % enrolled
UG to PG		4.5%
PG to M.Phil		-
PG to Ph.D		-
Ph.D to post-doctoral		-
Employed	Campus selection	15%
	Other than campus recruitment	18.3%
Entrepreneurship/ self employment		-

## 30. Details of Infrastructural facilities A). Library: Plinth Area: 800 sq.mts

No. Of Titles	No. of volumes	Project Reports	No. of journals	E-Resources
804	5552	125	06	96

## B).Internet facilities for staff and students

- Internet Speed 14 Mbps
- All the staff and students can access the internet over Wi-Fi.

## c) Class rooms with ICT facility :

06

## d) Laboratories : 08

S.No		Area (Sq.Mts)	Total Investment (Rs.)
1	Electrical Circuits	134.82	226670
2	Electrical Measurements	77.38	240504
3	Electrical Machines - I	232.11	614000
4	Electrical Machines - II	232.11	402230
5	Control Systems	77.38	442580
6	Power Electronics	77.38	382250
7	Electrical Simulation	77.38	36900
8	Power Systems	77.38	267435

## 31. Number of students receiving financial assistance from college, university, Government or other agencies

Agency	2010-11	2011-12	2012-13	2013-14
College	-	-	-	03
University	-	-	-	-
Government	252	262	286	329
Other Agency	-	-	01	-

## 32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts.

Year	Title of the Programme	Special Lectures/Workshops Seminars	Date(s)	No. Benefited
2010-11	Seminar	Energy Conservation	02-02-2011	55
2011-12	Guest Lecture	Green Energy Initiative	20-03-2012	138
	National Conference	recent trends in Power Systems and Power electronics	17-02-2012	25
	Fresher's day	Fresher's day	19-12-2011	145
	Seminar on	Emerging Trends in Electrical & Electronics Engineering	10-12-2011	83
	Industrial visit	Vizag Steel Plant	13-08-2011 to 15-08-2011	46
2012-13	IEEE	IEEE Student Chapter	24-04-2013	70

	Inauguration			
	Guest Lecture	Electrical power Quality	27-02-2013	197
	Workshop	NPTEL	25-02-2013	197
	Industrial visit	Vizag Steel Plant	09-02-2013 to 11-02-2013	67
	Guest Lecture	Emerging Trends in Power Electronics	29-12-2012	104
	Guest Lecture	power system stability	05-12-2012	80
	Guest Lecture	solar energy and renewal energy resources	29-11-2012	60
	Fresher's Day	Fresher's Day	17-11-2012	150
	Guest lecture	Power System Harmonics	12-10-2012	197
	Industrial visit	Banglore, Mysore, Ooty	15-06-2012 to 22-06-2012	60
	Training Program	MAT LAB	15 Days (20.05.2012 to 04.06.2012)	60
	Training Program	PLC	15 Days (20.05.2012 to 04.06.2012)	40
2013-14	Training Program	MAT LAB	25.02.2014 to 15.03.2014	74
	Training Program	Embedded Systems	25.02.2014 to 15.03.2014	54

### 33. Teaching methods adopted to improve student learning.

- Assigning Seminar Topics
- Offering Special coaching for GATE Examination.
- Special Training to motivate students to present papers and seminars.
- Conducting INFOSYS Campus connect Special Training classes.
- Advising to participating in class room seminars, Group discussions, Technical quizzes to develop analytical and problem solving abilities in them and thereby to improve their presentation skills.
- Motivating to access latest online journals reference materials and help them to understand the emerging trends in their field of study.
- Training to use Audio visuals aids like power point charts, models etc. for effective presentation.
- Providing opportunities to develop their creativity by organizing inter collegiate as well as National level cultural ,literary, technical and sports competitions.

34. Participation in Institutional Social Responsibility(ISR) and Extension activities

35. SWOC analysis of the department and Future plans

Strengths:

- Department accredited by NBA, New Delhi in 2014.
- Availability of Qualified Faculty
- Well Equipped Laboratories with latest systems and required software.
- Systematic monitoring of Teaching-Learning process.
- Active participation of ALUMNI for career guidance in improvement.

Weaknesses:

- Lack of Software Industries in nearby places.
- Students are lacking communication skills at the entry level as many of them are coming from rural areas.

Opportunities:

- Amicable management attitude in the form of special Pays and incentives attracting qualified faculty.
- Soft skills and related training by T&P Cell and association with ALUMNI grabs the opportunities to raise the employability of the students.

Constraints:

- Because of more number of engineering colleges quality of intake is poor. especially in rural engineering colleges.

Future Plans:

- To enter into MOUs with a couple of multinational companies.
- To take up R&D Projects from funding agencies like DST,UGC, and AICTE.
- To take up consultancy works of at least 3 lakhs rupees in the next three years.



## ELECTRONICS AND COMMUNICATION ENGINEERING

1. Name of the Department: ELECTRONICS AND COMMUNICATION ENGINEERING
2. Year of Establishment : 2002
3. Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters, Integrated Ph.D., etc)  
 UG - B.Tech (ELECTRONICS AND COMMUNICATION ENGINEERING)  
 PG - M.Tech (VLSI)
4. Names of Inter-disciplinary courses and the departments/units involved :  
 NIL
5. Annual/semester/choice based credit system (programme wise) :  
 B.Tech (Electronics & Communication Engineering) - Semester based credit system - Electives for Higher semester.  
 M.Tech (VLSI) - Semester based credit system - Electives for Higher semester
6. Participation of the department in the courses offered by other departments:

SL.NO	Programme	Courses offered by other department
1	B.Tech	Electrical & Electronics Engineering (Electronic Devices & circuits, Pulse & Digital Circuits, Linear Digital IC, Microprocessors & Microcontrollers)
2		Computer Science Engineering (Electronic Devices & circuits, Digital Logic Design, Microprocessors & Multicore Systems)
3		Civil Engineering (Basic Electronics)
4		Mechanical Engineering (Basic Electronics)
5	M.Tech	Electrical & Electronics Engineering - Power Systems (Microcontrollers)
6	M.C.A	Digital Logic & Computer Organization

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts: 27

	Sanctioned	Filled
Professors	03	03
Associate Professors	06	03
Assistant Professors	18	21

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil etc.,)

SL. No.	Name of the Faculty	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D students guided for the last 4 years
1.	Dr. G M V Prasad	PhD	Professor & Principal	Instrumentation & Control	27	05 (In Progress)
2.	Mr. B V Ramana	M.Tech	Professor & HOD	Computers & Communications	11	--
3.	Mrs. K Sirisha	M.Tech (Ph.D)	Professor	Instrumentation & Control	13	--
4.	Mr. Y N S Vamsi Mohan	M. Tech (Ph.D)	Associate Professor	Communications & Radar Systems	09	--
5.	Mr. K Srinivas	M.Tech	Associate Professor	VLSISD	08	--
6.	Mrs. Ch Vijaya Sree	M.Tech	Associate Professor	VLSI & Embedded Systems	06	--
7.	Mr. J Kiran	M. Tech	Assistant Professor	Embedded Systems	07	--
8.	Mr. S Raghava Rao	M. Tech	Assistant Professor	Embedded Systems	07	--
9.	Mr. V Ramoji	M.Tech	Assistant Professor	VLSISD	07	--
10.	Mr. R Satish Kumar	M. Tech	Assistant Professor	VLSISD	04	--
11.	Mr. A Srinivasa rao	M. Tech	Assistant Professor	VLSISD	04	--
12.	Mrs. V Prasanna Lakshmi	M.Tech	Assistant Professor	Embedded Systems	05	--
13.	Mr. D K Madhav	M. Tech	Assistant Professor	Embedded Systems	05	--
14.	Ms. S V S M Madhulika	M.Tech	Assistant Professor	Embedded Systems	05	--
15.	Ms. O Sudha Bharathi	M.Tech	Assistant Professor	Embedded Systems	03	--
16.	Ms. G Roja Shanti	M.Tech	Assistant Professor	VLSI	02	--
17.	Ms. G Parimala	M.Tech	Assistant Professor	VLSI	02	--
18.	Mr. P Girish	M.Tech	Assistant Professor	VLSI	02	--
19.	Mrs. G Vijaya Lakshmi	B.Tech	Assistant Professor	NA	05	--

20	Mr. Sarma Adithe	B.Tech	Assistant Professor	NA	03	--
21	Mrs. P Hima Bindu	B.Tech	Assistant Professor	NA	02	--
22	Ms. D Tulasi	B.Tech	Assistant Professor	NA	01	--
23	Ms. K Ramya	B.Tech	Assistant Professor	NA	01	--
24	Ms. A Bhanu Swetha	B.Tech	Assistant Professor	NA	01	--
25	Ms. A Y N Sowjanya	B.Tech	Assistant Professor	NA	01	--
26	Mrs. K Ajitha Lakshmi	B.Tech	Assistant Professor	NA	01	--
27	Mr. R S Pavan Kumar	B.Tech	Assistant Professor	NA	0.1	--

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student-Teacher Ratio (programme wise)

UG: B.Tech - 1 : 15

PG: M.Tech - 1 : 12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic Support Staff (Technical)	07	07
Administrative Staff	02	02

15. Qualifications of teaching faculty with D.Sc/D.Litt/Ph.D/M.Phil/PG.

No. of Faculty with Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (ME / M. Tech/)	No. of Faculty with UG (B.E/B.Tech)
01	-	17	09

16. Number of faculty with ongoing projects from funding agencies and grants received

a) National: NIL.

b) International: NIL.

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.  
and total grants received : NIL

18. Research Centre/facility recognized by the University : NIL

19. Publications:

a) Publication per faculty ( Last 4 Years)

SL. NO.	Name of the faculty	No. of Publications	Monographs	Chapter in Book	Books Edited	Books with ISBN/ISSN numbers with details of publishers	Citation Index	SNIP	SJR	No. of publication with Impact Factor	No. of Publications with H-Index
1.	Dr. G M V Prasad	07	-	-	-	-	07	-	-	07	07
2.	Mr. B V Ramana	03	-	-	-	-	03	-	-	03	03
3.	Mrs. K Sirisha	03	-	-	-	-	03	-	-	03	03
4.	Mr. K Srinivas	01	-	-	-	-	01	-	-	01	01
5.	Mr. J Kiran	02	-	-	-	-	02	-	-	02	02
6.	Mr. S Raghava Rao	01	-	-	-	-	01	-	-	01	01
7.	Mr. V Ramoji	01	-	-	-	-	01	-	-	01	01
8.	Mr. R Satish Kumar	01	-	-	-	-	01	-	-	01	01
9.	Mr. A Srinivasa rao	03	-	-	-	-	03	-	-	01	01
10.	Mrs. V Prasanna Lakshmi	01	-	-	-	-	01	-	-	01	01
11.	Mr. D K Madhav	02	-	-	-	-	02	-	-	02	02
12.	Ms. S V S M Madhulika	01	-	-	-	-	01	-	-	01	01
13.	Ms. O Sudha Bharathi	01	-	-	-	-	01	-	-	01	01

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

SL.NO.	Name of the Faculty	National/ International/ Editorial Boards	Membership Type
1	G.M.V.PRASAD	IEEE	LIFE MEMBER
		IETE	
		ISTE	
2	B.V.RAMANA	IETE	LIFE MEMBER
		ISTE	

3	K.SIRISHA	IETE	LIFE MEMBER
4	Y.N.S.VAMSI MOHAN	IETE	LIFE MEMBER
5	K.SRINIVAS	IETE	LIFE MEMBER
6	J.KIRAN	IETE	LIFE MEMBER
7	S.RAGHAVA RAO	IETE	LIFE MEMBER
8	V.RAMOJI	IETE	LIFE MEMBER
9	R.SATISH KUMAR	IETE	MEMBER
10	A.SRINIVASA RAO	IETE	LIFE MEMBER
11	V.PRASANNA LAKSHMI	IETE	LIFE MEMBER
12	SARMA ADITHE	IETE	LIFE MEMBER
13	S.V.S.M.MADHULIKA	IETE	MEMBER
14	D.K.MADHAV	IETE	MEMBER
15	O.SUDHA BHARATHI	IETE	MEMBER
16	P.GIRISH	IETE	LIFE MEMBER

## 22. Student projects

- Percentage of students who have one in-house projects including interdepartmental/programme : 99.3 %
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: 0.6 %

## 23. Awards/Recognitions received by faculty and students

### a) Faculty

SL.NO	Name of the Faculty	Incentives	Received for
1.	S. Raghava Rao	2500/-	High pass % in RS
2.	D.K.Madhav	2500/-	High pass % in EMI (IV ECE)
3.	B.V.Ramana	2000/-	High pass % in DIP
4.	P.Himabindu	2000/-	High pass % in EMI (III ECE)

### b) Students

S. NO	TITLE OF PAPER	STUDENT NAME(S)	Year	EVENT NAME & VENUE	DATE(S)	AWARDS
Academic Year 2014-2015						
1.	AUTONOMOUS CAR	M.Jyothirmayee (13H41A0496) V.Devi Priyanka (13H41A04A9)	II	EVINCE-2K14 BVCITS	14-09-2014	1 <sup>st</sup> Prize Paper presentation
2.	BRAIN TO BRAIN	K.L.R.PRIYANKA (12H41A0482)	III	EVINCE-2K14 BVCITS	14-09-2014	1 <sup>st</sup> Prize

	COMMUNICATION	M.D.D.SOWJANYA (12H41A0494)				Poster presentation
3.	SATELLITE COMMUNICATION USING LASERS	A.PRASANNA (13H41A0465) V.DEVI PRIYANKA (13H41A04A9)	II	EVINCE-2K14 BVCITS	14-09-2014	2 <sup>nd</sup> Prize Poster presentation
4.	AUTOMATED RAILWAY GATE	G.PADMINI DEVI(12H41A0418) D.S. SUHITHA (12H41A0414) T.S.KOMALI (12H41A0456) B.BHAGYA LAKSHMI (12H41A0410)	III	EVINCE-2K14 BVCITS	15-09-2014	1 <sup>st</sup> Prize Project Expo
5.	ICU BASED PATIENT MONITORING	S.SURESH (13H45A0424) V.HARI (13H45A0426) CH.HARI (12H41A0471) CH.VAMSI (12H41A0472)	III	EVINCE-2K14 BVCITS	15-09-2014	2 <sup>nd</sup> Prize Project Expo
6.	TECHNICAL QUIZ	A.PERUMALLU(11 H41A0402) D.N.GUPTHA (12H45A0405)	IV	EVINCE-2K14 BVCITS	15-09-2014	1 <sup>st</sup> Prize
7.	TECHNICAL QUIZ	P.RATNA KUMAR (13H45A0420)	III	EVINCE-2K14 BVCITS	15-09-2014	1 <sup>st</sup> Prize
8.	TECHNICAL QUIZ	P.KALYANI (13H41A0438)	II	EVINCE-2K14 BVCITS	15-09-2014	1 <sup>st</sup> Prize
9.	TECHNICAL QUIZ	U.KESAVA RAO (10H41A0453)	IV	EVINCE-2K14 BVCITS	15-09-2014	2 <sup>nd</sup> Prize
10.	TECHNICAL QUIZ	V.HARI (13H45A0426)	III	EVINCE-2K14 BVCITS	15-09-2014	2 <sup>nd</sup> Prize
11.	TECHNICAL QUIZ	T.SINDHU (13H41A0445)	II	EVINCE-2K14 BVCITS	15-09-2014	2 <sup>nd</sup> Prize
Academic Year 2012-2013						
1	BRAIN CONTROLLED CAR	N.S.R.Sharma (10H41A0495) P.ASHOK (10H41A0497)	III	ABHYASA- 2k13,AIMS, MUMMIDIVARAM	15-03-2013	1 <sup>st</sup> Prize
2	PAPER	Sh. Abdul	III	PRAGNA	07-03-	1 <sup>st</sup> Prize

	BATTERY	Raheman (10H41A04A5) P.S.V.L.N.Praveen (10H41A0499)		2K13,KITS,RAMAC HANDRAPURAM	2013	
3	WITRICITY	K.Srinivas (10H41A0481) K.Sriram (10H41A0480)	III	ENGINEERS DAY BVCITS	15-09- 2012	1 <sup>st</sup> Prize
4	NIGHT VISION TECHNOLOGY	D.Lavanya (12H45A0401) D.Ravali (11H41A0409)	II	ENGINEERS DAY BVCITS	15-09- 2012	1 <sup>st</sup> Prize
5	PLASMA ANTENNA	Sh.Abdul Rehman (10H41A04A5)	III	ENGINEERS DAY BVCITS		2 <sup>nd</sup> Prize

## Academic Year 2011-2012

1	G-STALT	U.SRILAKSHMI (09H41A0447)	III	RESONANCE-2K12 BVCEC,ODALAREV U	2 <sup>ND</sup> MARCH 2011	1 <sup>ST</sup> PRIZE
2	ATOMTRONICS	K.Venkata Ramana (08H41A0489) Y.sai sandeep (08H41A04C9)	IV	NIPUNA12,SRKREC , BHIMAVARAM	24 <sup>th</sup> &25 <sup>t</sup> h Feb	2 <sup>nd</sup> prize
3	WIRELESS CHARGING OF MOBILE PHONE USING MICROWAVES	Y.Mohan Sandeep (10H\$1A04B4)	II	MEDHA'11,BVCITS	09 <sup>th</sup> & 10 <sup>th</sup> AUG, 2011	3 <sup>rd</sup> Prize

## Academic Year 2010-2011

1	I-MODE	R.SANTHI SRI (08H41A0454)	III	MEDHA-10,BVCITS	09th & 10th AUG, 2010	2nd prize
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## Academic Year 2012-13

SNo	Name of student	Event name	Organization	Prize
1	G.Sundari	HORIZON-2K13 (NRITYA)	BVCITS, Amalapuram	2 <sup>nd</sup>
2	K.Spandana	HORIZON-2K13 (NRITYA)	BVCITS, Amalapuram	2 <sup>nd</sup>
3	Sk.Abdul Rahiman	HORIZON-2K13 (CRII CROSS)	BVCITS, Amalapuram	2 <sup>nd</sup>

4	A.Lavanya	HORIZON-2K13 (GAANA)	BVCITS, Amalapuram	2 <sup>nd</sup>
5	G.Sridhar	HORIZON-2K13 (CHESS)	BVCITS, Amalapuram	Runner
6	M.V.V.Naga Surya Prasad	ON EVE OF 150 BIRTHDAY OF VIVEKANANDA(CHESS)	YOUNG ACHIEVERS	3 <sup>rd</sup>

## Academic Year 2010-11

SNo	Name of student	Event name	Organization	Prize
1	A.Manikanta	EG Kick boxing Championship-2011 (Men Weight)	KUNG-FU fed of India	1 <sup>st</sup> Prize
2	A.Manikanta	AP State Karate& Kung- Fu	Shaolion kung-Fu Lee Martial Arts	2nd <sup>t</sup> Prize
3	B.Sai Bhargav	On eve of ugadhi (sanskruithika prashna keli)	BVCITS, Amalapuram	3 <sup>rd</sup> prize
4	A.Manikanta	IAKO	National Kick boxing federation	Yellow Belt
5	S.Sai Krishna	Best Physique Tournament	Kanpur University , Kerala	Best Physique

## 24. List of eminent academicians and scientists/visitors to the department

S.NO	Year	Name of the academician / scientist/ visitor	Designatio n	Organization	Purpose of visit
1.	2010-2011	Mr. Amritlal Ranjitkar	Professor	Nepal University	Seminar
2.	2011-2012	N.Uday Kumar	Professor	S.R.K.R Engineering College	Guest Lecture
3.	2011-2012	Dr. G.S.N.Raju	Professor, Principal of A.U	Andhra University	Seminar
4.	2011-2012	Dr.G.Jena	Professor	B.V.C.Engine ering College	Seminar
5.	2012-2013	Dr. G.S.N.Raju	Professor, Vice Chancello r of A.U	Andhra University	IEEE Inauguration
6.	2012-2013	Dr.K.Satya Prasad	Professor	JNTUK Kakinada	IETE Inauguration
7.	2012-2013	Mr.Godfrey	HR	Classle	Workshop



		Rajan			
8	2012-2013	Dr. N S Murty	Professor	NIT, Warangal	Workshop
8.	2012-2013	Mr. B.Prabhakar Rao	Professor	JNTUK Kakinada	Guest Lecture
9.	2012-2013	Mr.U.Ravi Kumar	Software Engineer	Juniper Technology	Guest Lecture
10.	2012-2013	Mr.Akhilesh	Technical Lead	Kyrion Technology	Workshop

25. Seminars/Conferences/Workshops organized & the source of funding

a) International: NIL

b) National : NIL

26. Student profile programme/course wise:

Year	Name of the Course /programme	Applications received	Selected	Enrolled		Pass percentage %	1 <sup>st</sup> Division %	2 <sup>nd</sup> Division %
				*M	*F			
2007-11	B.Tech (ECE)	*	133	98	35	75.8	93.6	6.3
2008-12		*	139	99	40	72.09	98.9	1.10
2009-13		*	118	87	31	91.5	87.03	12.07
2010-14		*	128	84	44	65.6	91.8	8.2
2011-15		*	122	79	43	-	-	-
2012-14	M.Tech (VLSI)	*	18	10	08	-	-	-
2013-15		*	14	07	07	-	-	-

\* Admissions are through EAMCET / PGECET counseling of AP State Govt.

27. Diversity of Students

Year	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2007-11	B.Tech (ECE)	100	--	--
2008-12		100	--	--
2009-13		100	--	--
2010-14		100	--	--
2011-15		100	--	--
2012-14	M.Tech (VLSI)	100	--	--
2013-15		100	--	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services,

etc.?

Name of the competitive examination	No. of students qualified			
	2010 - 11	2011- 12	2012 - 13	2013 - 14
GATE	02	02	01	--
GRE	01	--	02	--

## 29. Student progression

Student progression	Against % enrolled
UG to PG	9.79%
PG to M.Phil	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
Campus selection	15.9%
Other than campus recruitment	20%
Entrepreneurship / Self-employment	--

## 30. Details of Infrastructural facilities

### a) Central Library: Plinth Area - 800sq.m.

No. of titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of print Journals/Magazines
926	7169	35	33	06

### b) Department Library: Plinth Area - 25.79Sq.m.

No. of titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of print Journals/Magazines
111	298	01	33	01

### b) Internet facilities for Staff & Students

- A separate internet lab with 14 Mbps bandwidth is provided to staff and students.

### c) Class rooms with ICT facility : 07

### d) Laboratories: 08

SL. No	Lab Name	Area (sq.mts)	Total Amount (Rs)
1	Electronics Devices and Circuits Lab - 1	103.17	3,77,981

2	Integrated Circuits	77.38	2,70,330
3	Electronics Circuits & Pulse and Digital Circuits Laboratory	77.38	2,88,330
4	Microprocessors and Microcontrollers Lab	103.17	12,79,480
5	Microwave and Optical Communication Laboratory	77.38	6,94,869
6	Analog and digital Communication Laboratory	77.38	8,20,530
7	Electronic Computer Aided Design / Digital Signal Processing Laboratory	103.17	11,12,000
8	Project Lab	51.58	1,10,430

31. Number of students receiving financial assistance from college, university, Government or other agencies

Agency	No. of Students received financial assistance			
	2011-12	2012-13	2013-14	2014-15
College	2	--	--	--
University	--	--	--	--
Government	243	329	369	--
Other Agencies	--	--	--	--

32. Details on student enrichment programmes (special lectures/workshops seminar) with external experts.

Sno	Name of the expert	Event	Date	Number benefited
2012-13				
1.	IEEE Inauguration by Dr.G.S.N.Raju, Vice Chancellor, A.U	IEEE Student Chapter	26-03-2013	12
2.	Inauguration of IETE Students Forum by Dr.K.Satya Prasad ,JNTUK	IETE Student forum	26-03-2013	129
3.	A Seminar on RADAR and APPLICATIONS by Dr.K.Satya Prasad ,JNTUK	IETE Student forum	26-03-2013	75
4.	Industrial visit to Satish Dhawan Space Centre (SDSC),Nellore	EleCSA(Electronics and Communication Students Association)	20-03-2013	77
5.	Fresher's Day Celebrations	EleCSA	19-11-2012	220
6.	Engineers Day Celebrations	EleCSA	15-09-2012	220
7.	Workshop on NPTEL by Mr. Godfrey Rajan	Department of ECE	25-02-2013	90
8.	Guest Lecture on Image	Department of ECE	29-12-2012	105

	Compression Techniques by Prof.B. Prabhakar Rao			
9.	Guest Lecture on Network Topologies & Protocols by Mr.U.RaviKumar, Software Engineer Juniper technology	Department of ECE	29-12-2012	108
10.	A two day workshop on ROBOTICS CYBORG Organized by Kyrion Technologies	Department of ECE	28-07-12 & 29-07-12	100
2011-12				
1.	Guest Lecture on Signal Processing by Prof. N.Uday Kumar	Department of ECE	14-03-2012	100
2.	Seminar on Electromagnetic Wave Theory by Dr.G.S.N.Raju, Principal, A.U	Department of ECE	10-12-2011	100
3.	Seminar on image processing by Dr.Jena	Department of ECE	15-09-2011	105
4.	Engineers Day Celebrations	EleCSA	15-09-2011	220
2010-11				
1.	Seminar on Emerging Trends in Electronics and Communication Engineering by Mr.Amritlal Rangitkar	Department of ECE	10-12-2011	110

### 33. Teaching methods adopted to improve student learning

- Classes are conducted as per time table.
- Black Board teaching in all class rooms.
- Power point presentations / video lectures are arranged to the students by the concerned faculty.
- Tutorial classes are conducted to improve the problem solving skills.
- Conducting class tests after completion of prescribed syllabus.
- Providing extra content to fill the gap between academic and industry.
- Conducting remedial classes for poor learners to improve their academic performance.
- Assignments are given to students based on the need of the topic.
- Easy access to the notes of each subject from department library.
- Two internal assessment tests are conducted.
- Encouraging the students to deliver a seminar on topic related to subject in the allotted period.
- Delivering staff seminars on advanced topics.

- Arranging workshops/guest lecture to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
- Involving the students in technical expo/exhibition to develop the application of electronics.
- Arranging Industrial Visits.
- NPTEL lectures from IIT and other professors

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

S. No	Activity	Date of Activity	No.of students participated / Beneficiaries
<b>2010</b>			
1	World Environment Day celebrations	5-06-2010	20
2	World Population Day Celebrations	11-07-2010	27
3	Independence Day Celebrations	15-8-2010	40
4	Mother Teresa Anniversary Day Celebrations	26-8-2010	30
5	Teachers Day Celebrations	05-09-2010	60
6	Engineers Day Celebrations	15-09-2010	20
7	NSS Foundation Day Celebrations	24-09-2010	20
8	Gandhi Jayanthi Celebrations	2-10-2010	40
9	Anti Ragging Drive	6-10-2010	40
10	Mass tree plantation Program	30-10-2010	30
11	Fresher's Day Celebrations	16-12-2010 to 18-12-2010	60
<b>2011</b>			
12	Youth Day Celebrations	12-01-2011	20
13	Sankranthi Sambaralu	13-1-2011	50
14	Republic Day Celebrations	26-1-2011	40
15	Blood Donation Camp	18-03-2011	30
16	Ugadi Sambaralu	31-03-2011	60
17	NSS Foundation Day Celebrations	24-09-2011	20
<b>2012</b>			
18	National Voters Day Celebrations	25-01-2012	20
19	NSS Special Camp	06-02-2012 to 12-02-2012	50
20	Eye Donation Awareness Rally	25-08-2012	40
21	Mother Teresa Anniversary Day Celebrations	26-8-2012	30

22	NSS Foundation Day Celebrations	24-09-2012	40
2013			
23	Vivekanda Birthday Celebrations	2013	35
24	Sankranthi Sambaralu	13-1-2013	90
25	NSS Special Camp	21-03-2013 to 27-03-2013	30
2014			
26	Blood Donation Camp	11-07-2014	40
27	Fire Accident at Peruru, Amalapuram Distributed Rice Stainless Steel Drums	09-07-2014	30
28	Mother Teresa Birth Day Celebrations	26-07-2014	25
29	N. S. S Foundation Day: Conducted an awareness day on Eye care. Plantation of trees.	24-09-2014	40

*\*\* In the department student service activity named "SERVICE SOCKET" is running since 2012. As a part of this activity they identified one organization named 'HARI MANO VIKASKENDRAM' a mentally challenged orphanage run by a private source. Every month our student group donates the necessary grocery items to the orphanage.*



Donating the grocery items on the eve of Diwali (23-10-14)

### 35. SWOC analysis of the department and Future plans Strengths

- The department was accredited by NBA, New Delhi in 2014.
- Excellent Academic results
- The department is equipped with state of art research laboratory.
- Good In-house Academic Projects.
- Internal R&D Projects are in progress.
- Well Organized student activities

### Weaknesses

- Lack of support from Industries in surrounding areas
- Research and consultancy need to be improved

### Opportunities

- Availability of adequate Journals, Lab facilities for Research
- Well connected to all means of Transport
- Staff Development Programmes

### Constraints

- Competition from other institutions
- Lack of stable human resource
- Development of application of electronics to cater the needs of common man in field of agriculture, health, education, construction etc

### Future Plans:

- Upgradation of faculty qualifications
- Applying for external funded research projects with collaboration of government and private organizations
- Establishing MOUs with National/International, academic/research organizations
- To get recognition as research centre from University/ Reputed Govt. Agencies.
- To provide more industry relationship with department by taking real-time Industry Projects.

## COMPUTER SCIENCE AND ENGINEERING

1. Name of the department: COMPUTER SCIENCE AND ENGINEERING
2. Year of Establishment : 2002
3. Names of Programmes / Courses offered (UG, PG, M.Phil ., Ph.D., Integrated Masters, Integrated Ph.D., etc.)
  - PG : M.Tech (Computer Science and Engineering)
  - UG: B.Tech (Computer Science and Engineering)
4. Names of Interdisciplinary courses and the departments/units involved:  
Nil
5. Annual/ semester/choice based credit system (programme wise)
  - PG : M.Tech (Computer Science and Engineering) -  
Semester based credit  
  
system - Electives in higher semesters
  - UG : B.Tech (Computer Science and Engineering) -  
Semester based credit  
  
system - Electives in higher semesters)
- 6 . Participation of the department in the courses offered by other departments

S. No.	Program me	Department	Year & Regulation	Courses offered by other departments
1	B. Tech	Electrical & Electronics Engineering	I Year (R-13)	C Programming
			I Year(R-13)	IT Workshop
			IV Year(R-10)	Java
			IV Year(R-10)	Computer Organization
2		Electronics & Communications Engineering	I Year (R-13)	C Programming
			I Year(R-13)	IT Workshop
			II Year(R-13)	Data Structures
			III Year(R-10)	Computer Networks
			III Year(R-10)	Computer Architecture and Organization



3		Civil Engineering	I Year (R-13)	C Programming
			I Year(R-13)	IT Workshop
4		Mechanical Engineering	I Year (R-13)	C Programming
			I Year(R-13)	IT Workshop
			IV Year(R-10)	Interactive Computer graphics

7 Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL

8 Details of courses/programmes discontinued (if any) with reasons :  
NIL

9 . Number of Teaching posts: 26

	Sanctioned	Filled
Professors	2	1
AssociateProfessors	6	5
Asst.Professors	18	20

10.Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

S.No	Name of the Faculty	Qualification	Designation and Date of Joining the Institution	Specialization	No.ofYears of Experience	No.of Ph.D. Students Guided for the Last 4 years
1.	B. V. Ram Kumar	M.TECH (Ph.D)	Professor (HOD of UG & PG) 28/11/11	M.TECH COMPUTER SCIENCE	3 Yrs	nil
2.	M.Prasad	M.TECH (Ph.D)	Assoc. Prof, 01/06/12	M.TECH COMPUTER SCIENCE	2 .5 Yr	nil
3.	D.Kishore Babu	M.E- (Ph.D)	Assoc. Prof, 01/06/09	M.TECH COMPUTER SCIENCE	5 years	nil

4.	J.Rama Devi	M.TECH	Assoc. Prof 01/06/07	M.TECH COMPUTER SCIENCE	7 years	nil
5.	G.Vijaya Kumari	M.TECH	Assoc. Prof, 16/07/07	M.TECH COMPUTER SCIENCE	7 years	nil
6.	A.Subhadra	M.TECH	Assoc. Prof, 13/06/08	M.TECH COMPUTER SCIENCE	6 years	nil
7.	Y.Naga Satish	M.E	Asst. Prof, 08/10/09	M.TECH COMPUTER SCIENCE	5 years	nil
8.	T.S.R. Krishna	M.TECH	Asst. Prof, 20/06/08	M.TECH COMPUTER SCIENCE	6 years	nil
9.	A. P. V. D. L. Kumar	M.TECH	Asst. Prof, 21/07/08	M.TECH COMPUTER SCIENCE	6 years,	nil
10	T.S.R. Lakshmi	M.TECH	Asst. Prof, 22/12/09	M.TECH COMPUTER SCIENCE	4 Yrs	nil
11	N. Sushuma	M.TECH	Asst. Prof, 13/06/08	M.TECH COMPUTER SCIENCE	6 years	nil
12	K.L Reddy G	M.TECH	Asst. Prof, 04/06/09	M.TECH COMPUTER SCIENCE	5 years	nil
13	Ch. Santhi	M.TECH	Asst. Prof, 14/06/11	M.TECH COMPUTER SCIENCE	3 years	nil
14	P.Balu Mahendra	M.TECH	Asst. Prof, 06/06/12	M.TECH COMPUTER SCIENCE	2 years	nil
15	R.Prassana Kumar	M.TECH	Asst. Prof, 18/07/13	M.TECH COMPUTER SCIENCE	1 year	nil
16	M.Janaki Ramudu	M.TECH	Asst. Prof, 18/11/13	M.TECH COMPUTER SCIENCE	1 year	nil
17	M.S.Kiran	M.TECH	Asst. Prof, 30/10/13	M.TECH COMPUTER SCIENCE	1 year	nil
18	k.pradeep	B.TECH	Asst. Prof, 05/11/20	B.TECH COMPUTER SCIENCE	9 years	nil

			05			
19	K.Satish	B.TECH	Asst. Prof, 01/10/2009	B.TECH COMPUTER SCIENCE	5 years	nil
20	B.Sailaja	B.TECH	Asst. Prof, 28/10/10	B.TECH COMPUTER SCIENCE	5 years	nil
21	S <sup>k</sup> Prasanthi	B.TECH	Asst. Prof, 01/08/10	B.TECH COMPUTER SCIENCE	4 years	nil
22	N.Ram Gopal	B.TECH	Asst. Prof, 01/06/09	B.TECH COMPUTER SCIENCE	5 years	nil
23	D. swathi	B.TECH	Asst. Prof, 01/10/09	B.TECH COMPUTER SCIENCE	5 years	nil
24	R P S S Varun	B.TECH	Asst. Prof, 01/08/10	B.TECH COMPUTER SCIENCE	4 years	nil
25	M <sup>V</sup> Rajendra	B.TECH	Asst. Prof 01/09/14	B.TECH COMPUTER SCIENCE	2 months	nil
26	S.Suresh	B.TECH	Asst. Prof 01/06/12	B.TECH COMPUTER SCIENCE	2 years	nil

#### 11. List of senior visiting faculty

S.No.	Name of the Senior faculty	Purpose	Visited Date(s)
1	Dr. D. V. L. N. Somayajulu, NIT-Warangal	A Two-Day Workshop on " Knowledge Practices and Emerging Applications in Data Mining"	23rd-24th March-2013
2	Mr G Rama Koteswara rao, Professor, Sidhartha Engineering College,Vijayawada	Gave a Guest Lecture on Cyber security for CSE Students	11 <sup>th</sup> September 2012
3	Ms L Sumalatha,Associate Professor and HOD of CSE,JNTUK, Kakinada .	Gave a Guest Lecure on Information Security	29 <sup>th</sup> Dec,2012
4	Dr.J V R Murthy ,Professor, JNTUK,Kakinada	Gave a Guest Lecture on Professional attitude and goal setting to students	10 <sup>th</sup> December 2011
5	Prof.Rama Sri ,HOD,CSE,Aditya	Guest a Guest	3 <sup>rd</sup> March

	Engineering College Peddapuram,Kakinada.	Lecture on SOFTWARE ENGINEERING	2012
6	Mr S N S V S C Ramesh,associate professor,CSE,Aditya Engineering College,peddapuram,kakinada	Gave a Guest Lecture on e-commerce	3 <sup>rd</sup> March 2012
7	Prof.K Srinivasa Rao,CSE,BVC Engineering College,Odalarevu.	Conducted a seminar on DATA MINING AND DATA WAREHOUSING	18 <sup>th</sup> August 2010

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. : NIL

13. Student -Teacher Ratio (programme wise)

PG : 1:12

UG : 1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	SANCTIONED	FILLED
ACADEMIC SUPPORT STAFF(TECHNICIANS)	6	6
ADMINISTRATIVE STAFF	2	2

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

NO.OF FACULTY OF WITH DSc/D.Litt	NO.OF FACULTY OF WITH Ph.D	NO.OF FACULTY OF WITH MPhil	NO.OF FACULTY OF WITH PG.(M.TECH)	NO.OF FACULTY OF WITH UG. (B.TECH)
--	--	---	17	09

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

A) National : NIL

B) InterNational : NIL

17 Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

## 18. Research Centre/facility recognized by the University

NIL

## 19. Publications: (Last four years) Publication per faculty

S.N o	Name Of The Faculty	No.Of Publi cations	Books with ISSN numbers with detials of publishe rs	Mono graph s	Chapt er in books	Citati on index	SNIP: Source Normali zed Impact per Person	SJR: sclma go journ al rank	No of publi cations with Impa ct Fact or	No of publi cations with H- inde x
1.	B. V. Ram Kumar	3	ISSN:2250 -1797	1	--	--	--	--	3	3
2.	J.Rama Devi	1	ISSN : 2248- 9452	1	--	--	--	--	2	1
3.	D.Kishore Babu	3	ISSN: 2231- 2307, ISSN:2250 -1797	1	--	--	--	--	3	3
4.	M.Prasad	3	ISSN 2249- 071X,	1	--	--	--	--	3	3
5.	A.Subhadra	2	ISSN :2231:21 53	1	--	--	--	--	2	1
6.	Y.Naga Satish	2	ISSN: 2231- 2307	1	--	--	--	--	2	2
7.	T.S.R. Krishna	1	ISSN: 0975- 8887	1	--	--	--	--	1	1
8.	A. P. V. D. L. Kumar	1	ISSN: 0975- 8887	1	--	--	--	--	1	1
9.	T.S.R. Lakshmi	1	ISSN : 2248- 9452	1	--	--	--	--	1	1
10	N. Sushuma	1	--	1	--	--	--	--	1	1
11	K.L GanapathiR eddy	1	ISSN: 0975- 8887	1	--	--	--	--	1	1

12	Ch.santhi	1	ISSN: 0975- 5662 IJRCCT	1	--	--	--	--	1	1
12	M.Janaki Ramudu	1	ISSN: 0975- 8887	1	--	--	--	--	1	1
13	M.S.Kiran	1	ISSN: 0975- 8887	1	--	--	--	--	1	1

20.Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees :

NIL

b) International Committees :

NIL

c) Editorial Boards :

NIL

22. Student projects

i) Percentage of students who have done in-house projects including inter departmental / programme. 100% students have done in-house projects.

ii) Percentage of students placed for projects in organizations outside the institution (BTBP COMPANY) i.e. in Research laboratories/Industry/ other agencies : 1

23 .Awards / Recognitions received by faculty and students

A) Awards by Faculty:

S.NO	Name of Faculty	Name of Event	Venue	Dates	Prize
1	Y.N.Satish	41 <sup>st</sup> Andhra Pradesh College Teachers Batmenton Tounnament	KITS Guntur	9 <sup>th</sup> & 10 <sup>th</sup> FEB,2014	1 <sup>st</sup>

2	Y.N.Satish	40 <sup>th</sup> Andhra Pradesh Teachers Batmenton Tounnament	SIDHARTH ARTS &SCIENCE COLLEGE, Vijayawada	8 <sup>TH</sup> &9 <sup>TH</sup> DEC,2012	1 <sup>st</sup>
3.	M.Prasad	NCRTCST National Comference	CMR- College of engg.,HYD	27,28 jan 2012	Best Paper Award
4	Y.N.Satish	38 <sup>th</sup> Andhra Pradesh Teachers Batmenton Tounnament	ANR College,Gud iwada	13 <sup>TH</sup> &14 <sup>TH</sup> FEB-2010	3 <sup>rd</sup>
5	Y.N.Satish	37 <sup>th</sup> Andhra Pradesh Teachers Batmenton Tounnament	C R Reddy College, Eluru	14 <sup>th</sup> &15 <sup>th</sup> ,Feb,2009	3 <sup>rd</sup>
6	Y.N.Satish	37 <sup>th</sup> Andhra Pradesh Teachers Batmenton Tounnament,Mixe d Doubles	C R Reddy College, Eluru.	14 <sup>th</sup> &15 <sup>th</sup> ,Feb,2009	2 <sup>nd</sup>

## B) Awards by Students:

S.NO	Name of Student	Name of Event	Venue	Dates	Prize
Academic Year-2013-14					
1	T Naga Ramya	INCEPTRA	Ideal Institute of Technoloy	27 <sup>th</sup> sept,2014	1 <sup>st</sup>
2	N Anjani devi	INCEPTRA	Ideal Institute of Technoloy	27 <sup>th</sup> sept,2014	1 <sup>st</sup>
3	T Naga Ramya	EVINCE-2K14	BVCITS	14 <sup>th</sup> 15 <sup>th</sup> sept,2014	1 <sup>st</sup>
4	N Anjani devi	EVINCE-2K14	BVCITS	14 <sup>th</sup> 15 <sup>th</sup> sept,2014	1 <sup>st</sup>
Academic year-2012-13					
5	A Vamsi Krishna	INNOVATIONEER	Andhra University,Vizag	5 <sup>th</sup> -8 <sup>th</sup> ,sept-2012	1 <sup>st</sup>
6	G Ramya mani	ZEITGEIST-2K13	JNTUK,KAKINADA	9 <sup>th</sup> &10 <sup>th</sup> , march-2013	2 <sup>nd</sup>
7	B Lakshmi manasa	ZEITGEIST-2K13	JNTUK,KAKINADA	9 <sup>th</sup> 10 <sup>th</sup> , marc h-2013	2 <sup>nd</sup>

8	S Geetha Madhuri	ZEITGEIST-2K13	JNTUK,KAKINADA	9 <sup>th</sup> 10 <sup>th</sup> ,marc h-2013	-
9	S Geetha Madhuri	NADC-2K13	JNTUK,KAKINADA	9 <sup>th</sup> 10 <sup>th</sup> ,marc h-2013	-
10	P Revathi	EVINCE-2K12	BVCITS,Amalapuram	29 <sup>th</sup> ,Dec- 2012	1 <sup>st</sup>
11	T Sai Lakshmi	EVINCE-2K12	BVCITS,Amalapuram	29 <sup>th</sup> ,Dec- 2012	1 <sup>st</sup>
12	Ch Ramarao	EVINCE-2K12	BVCITS,Amalapuram	29 <sup>th</sup> ,Dec- 2012	2 <sup>nd</sup>
13	V Ramesh Reddy	EVINCE-2K12	BVCITS, Amalapuram	29 <sup>th</sup> ,Dec- 2012	2 <sup>nd</sup>
14	S Geetha Madhuri	EMERGE-2K13	BVCCE, Rajahmundry	16 <sup>th</sup> Feb- 2013	1 <sup>st</sup>
15	CH.V Rajesh Kumar	EMERGE-2K13	BVCCE,Rajahmundry	16 <sup>th</sup> Feb- 2013	1 <sup>st</sup>
16	CH.RAMA RAO	EMERGE-2K13	BVCCE,Rajahmundry	16 <sup>th</sup> Feb- 2013	1 <sup>st</sup>
17	B RAJENDRA	EMERGE-2K13	BVCCE,Rajahmundry	16 <sup>th</sup> Feb- 2013	1 <sup>st</sup>
18	S Geetha Madhuri	LAURAS-2K13	RIT,YANAM	7 <sup>th</sup> - 8 <sup>th</sup> ,march- 2013	1 <sup>st</sup>
19	CH.V Rajesh Kumar	LAURAS -2K13	RIT,YANAM	7 <sup>th</sup> - 8 <sup>th</sup> ,march- 2013	1 <sup>st</sup>
20	G Ramya Mani	JAGYASA-2K13	CIST,KAKINADA	15 <sup>th</sup> ,16th march- 2013	1 <sup>st</sup>
21	J Poornima	JAGYASA-2K13	CIST,KAKINADA	15 <sup>th</sup> ,16th march- 2013	1 <sup>st</sup>
22	Ms. B Lakshmi Tulasi	Chess, HORIZON-2K13	BVCITS,Amalapuram	2 <sup>nd</sup> ,3 <sup>rd</sup> March- 2013	1 <sup>st</sup>
23	Mr. K C V Sireesh	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> ,3 <sup>rd</sup> March- 2013	2 <sup>nd</sup>
24	Mr. K S R Durga Rao	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> ,3 <sup>rd</sup> March- 2013	2 <sup>nd</sup>
25	Mr. CH Ram Prasad	ABHINAYA(SKIT) HORIZON-2K13	BVCITS,Amalapuram	2 <sup>nd</sup> ,3 <sup>rd</sup> March- 2013	2 <sup>nd</sup>
26	Mr. P V N B Phani Kumar	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> ,3 <sup>rd</sup> March- 2013	2 <sup>nd</sup>



27	Mr. M Rama Krishna	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	2 <sup>nd</sup>
28	Mr. A Sarath Kumar	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	2 <sup>nd</sup>
29	Mr. M Srinu	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	2 <sup>nd</sup>
30	Mr. K B Siva Kumar	ABHINAYA(SKIT) HORIZON-2K13,	BVCITS,Amalapuram	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	2 <sup>nd</sup>
31	Mr. R Sandeep	Movie Making, HORIZON-2K13	BVCITS	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	3 <sup>rd</sup>
32	Ms. B Hima Bindu	Movie Making, HORIZON-2K13	BVCITS	2 <sup>nd</sup> , 3 <sup>rd</sup> March-2013	3 <sup>rd</sup>
Academic Year 2011-12					
33	P Revathi	ZEIGEIT-2K12	JNTU ,Kakinada	3 <sup>rd</sup> , 4 <sup>th</sup> , mar-2012	2 <sup>nd</sup>
34	S .Usha	ZEIGEIT-2K12	JNTU ,Kakinada	3 <sup>rd</sup> , 4 <sup>th</sup> , mar-2012	2 <sup>nd</sup>
35	B Vennela	ZEIGEIT-2K12	JNTU ,Kakinada	3 <sup>rd</sup> , 4 <sup>th</sup> , mar-2012	2 <sup>nd</sup>
36	P.Nitya	Xtasay-2k11	CIST, Kakinada	30 <sup>th</sup> , sept-2011	1 <sup>st</sup>
37	Ch.Satyavarshi	Xtasay-2k11	CIST, Kakinada	30 <sup>th</sup> , sept-2011	1 <sup>st</sup>
38	P.P.N.G.Phanikumar	Xtsay-2k11	CIST, KAKINADA	30 <sup>th</sup> , sept-2011	2 <sup>nd</sup>
39	M.Satyanarayana	Torque-2k11	GIET, Rajahmundry	4 <sup>th</sup> -5 <sup>th</sup> , mar-2011	2 <sup>nd</sup>
40	K.Naresh	Xtsay-2k11	CIST, KAKINADA	30 <sup>th</sup> , sept-2011	2 <sup>nd</sup>
41	M.S.L Sailaja	NSC -2K11	GIET, Rajahmundry	30 <sup>th</sup> , oct-2011	2 <sup>nd</sup>
42	A.D.Tejaswini	NSC -2K11	GIET, Rajahmundry	30 <sup>th</sup> , oct-2011	2 <sup>nd</sup>
43	KDN Ravi Prasad	Resolutions ,2k11	KITS, Divili	5 <sup>th</sup> , mar-2011	2 <sup>nd</sup>
44	A.Srikanth	VEDA	AEC, Surampalem	15 <sup>th</sup> -17 <sup>th</sup> , sept-2011	1 <sup>st</sup>
45	B Sravani	BRIGID-2K11	BVCITS, Amalapuram	13 <sup>th</sup> , sep-2011	1 <sup>st</sup>
46	M.Sriramulu	SanSarg-2k11	CEC, Visakhapatnam	23 <sup>rd</sup> , feb-2011	2 <sup>nd</sup>

47	T Srinivas	ABHYASA2K12	AIMS college of engineering	2 <sup>nd</sup> ,3 <sup>rd</sup> ,feb-2012	1 <sup>st</sup>
48	A Srikanth	REASONANCE-2K12	BVCEC, Odalarevu	2 <sup>nd</sup> mar-2012	1 <sup>st</sup>
49	G ratnakara Rao	BRIGID-2K11	BVCITS,Amalapuram	13 <sup>th</sup> ,sep-2011	3 <sup>rd</sup>
50	A Surekha	BRIGID-2K11	BVCITS,Amalapuram	13 <sup>th</sup> ,sep-2011	2 <sup>nd</sup>
51	Gantenapalli Sunil Kumar	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
52	Gubbala Naga Satish	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
53	Tangella Suryanarayana	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
54	Gattem Kamalakar Kumar	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
55	Nagendra Babu Muramalla	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
56	Koppiseti Rama Durga Mahesh Babu	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
57	Pedagopu Srinivasa Rao	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
58	Nayana Naga Lakshmana Reddy	Cricket, BVC Premier Legue	BVCITS	December -2011	1 <sup>st</sup>
59	Tangella Suryanarayana	Volley ball	BVCITS	December -2011	2 <sup>nd</sup>
60	Gattem Kamalakar Kumar	Volley ball	BVCITS	December -2011	2 <sup>nd</sup>
61	Sanna Niranjan Prasad	Volley ball	BVCITS	December -2011	2 <sup>nd</sup>
62	Gantenapalli Sunil Kumar	Volley ball	BVCITS	December -2011	2 <sup>nd</sup>
63	G.Bhaskar	Group Dance, EVINCE-2K11	BVCITS	10 <sup>th</sup> ,11 <sup>th</sup> ,dec-2011	1 <sup>st</sup>
64	M.Sreeramulu	Treditional Dress Comp, UGADI CELEBRATIONS	BVCITS	1 <sup>st</sup> aprial-2011	1 <sup>st</sup>
65	G.Bhaskar	Dance, Independence day	BVCITS	15 <sup>th</sup> aug-2011	2 <sup>nd</sup>
66	G.Bhaskar	Solo dance	EVINCE-2K11,BVCITS	10 <sup>th</sup> ,11 <sup>th</sup> ,dec-2011	3 <sup>rd</sup>
67	Ch Sruthi	Shuttle	YUVAGALA 2k12,B V C E C	2 <sup>nd</sup> 3 <sup>rd</sup> mar-2012	2 <sup>nd</sup>
68	Ravi Krishna	JOSH Contest	MAA TV	-	1 <sup>st</sup> worth 1

					LAKH
69	K.D.N.Ravi Prasad	National Day	Voter's	ELECTIONCOMMISSIO N OF INDIA	25 <sup>th</sup> jan 2011 3 <sup>rd</sup>
70	A Maheswara reddy	Essay National Day	Writing, Voter's	ELECTIONCOMMISSIO N OF INDIA	25 <sup>th</sup> jan 2011 3 <sup>rd</sup>
71	G.Sunil Kumar	Cricket, Republic Day		BVCITS	2 <sup>nd</sup> jan- 2011 2 <sup>nd</sup>
72	Y V U N Bhavani	Fair & Contest	Lovely	BVCITS	13 <sup>th</sup> nov Schola rship

24. List of eminent academicians and scientists/visitors to the department  
Organizing Engineering Events

S.No.	Name of academicians and scientists/visitors	Designation	Organization	Purpose of visit
Academic Year 2013-14				
1	Mr. Shaik Mohammadh	Sr. Programmer	CTC	Three Day Workshop on Android Applications
2	K. Venkata Srinivas	Manager, Training.	Globarena	A Seminar on E-Learning
3	Y. Archana, K. Indira	Software Engineers	Corporate Learning World	A Three Day Workshop on Soft skills
4	K. Satish, Vamsi	Team Leaders	Microsoft	A Two Day Workshop on Microsoft Technologies
Academic Year 2012-13				
1	Prof. Rama Sri	Professor	Aditya Engg. College	Guest Lecture on Software Engineering & Applications
2	Mr. SNSVSC Ramesh	Assoc. Professor	Aditya Engg. College	Guest Lecture on E-Commerce
3	Mr. Md. Shabbeer	Software Engineer	Coign Group	Workshop on web designing " Web Works"
4	Mr. G Rama Koteswara Rao	Professor	Siddhardha Engineering College	Guest Lecture on "Cyber Security"
5	Mr. Md. Shabbeer	Software Engineer	Coign Group	Workshop on "Cloud Computing with .NET"
6	Mr. Naveen	Software Engineer	Sweccha Group, HYD	Workshop on "Soft Potential"

7	Ms. L.Sumalatha	HOD & Assoc Professor	CSE, JNTUK	Guest Lecture on "Network Security"
8	Mr R Madhu Murthy	Software Engineer	Talent Sprint Foundation	Seminar On Soft skills
9	Mr. G. Rajan	Software Engineer	NPTEL & CLASSLE	A Wokshop on National Programme on Technology Enhanced Learning(NPTEL)
10	Sri Rama Chandra Murthy	Professor	Jr College	A Seminar on "Personality development"
11	Dr. Y Anantha Lakshmi	Doctor	Konaseema Multi Specialty Hospital	A Seminar on "Nutrition, hygiene & Health"
12	Dr. D. V. L. N. Yajulu	Professor	NIT-Warangal	A Two-Day Workshop on " Knowledge Practices and Emerging Applications in Data Mining

## Academic Year 2011-12

1	Mr.B.Rama Krishna	Software Engineer	Microsoft	Guest Lecture on .NET Technology
2	Prof. K Srinivasarao	Professor	BVCEC	Seminar on Data Mining and Warehousing
3	Mr.T.Narasimha Rao	Software Engineer	NeoAppTechnologies	Guest Lecture on Microsoft Technologies
4	Mr Rajeshwar Chibber	CEO of BTBP	BrighTex Bio-Photonics Pvt. Ltd.,	Seminar on Artificial Intelligence in future
5	Prof J V R Murthy	Professor	JNTUK	Guest Lecture on Data Mining And Data Warehousing
6	Mr. Ch Durga Prasad	Software Engineer	Tech Mahindra	Seminar on Career Guidance
7	Mr.Tammireddy Krishna	Software Engineer	Blackberry	Guest Talk on Mobile Technologies
8	Mr. M.subrahmanyam	Software Engineer	TCS	Seminar on Employability
9	Dr. K.Sriram	Software	ITC-Infotech	Seminar on "Be

	Engineer	lead or lead"
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25. Seminars /Conferences/ Workshops organized & the source of funding

a) National

S.No.	Seminar/Conference/Workshop	Date(s)	Source of Funding	Amount Spent
1.	A Two-Day Workshop on " Knowledge Practices and Emerging Applications in Data Mining"	23 <sup>rd</sup> -24 <sup>th</sup> March-2013	BVC ES	30,000

b) International: Nil

26. Student profile programme/course wise:

Year	Name of the Course / program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
2007-11	B.Tech(CSE)	*	96	64	32	70.0
2008-12	B.Tech (CSE)	*	100	58	42	65.95
2009-13	B.Tech (CSE)	*	92	55	37	76.04
2010-14	B.Tech (CSE)	*	105	57	48	70.19

\* Admissions are through EAMCET counseling of AP State Govt.

27. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2009-10	B.Tech (CSE)	100	0	0
2010-11		100	0	0
2011-12		100	0	0
2012-13		100	0	0
2013-14		100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Name of the Competitive examination	No. of students qualified				
	2009-10	2010-11	2011-12	2012-13	2013-14
GATE/PGECET	15	5	1	5	-
GRE/IELTS/TOEFL	3	-	-	1	2

29. Student progression.

Student progression		Against % enrolled
UG to PG		8.90
PG to M.Phil.		NA
PG to Ph.D.		--
Ph.D. to Post-Doctoral		NA
Employed	Campus selection	30.0
	Other than campus recruitment	28.75
Entrepreneurship / Self-employment		2.00

30. Details of Infrastructural facilities

- a) Central Library: Plinth Area - 800sq.m.

No. of titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of print Journals/Magazines
925	7060	35	11	06

- B). DEPARTMENT Library: Plinth Area: 38.4 sq.mts

No. Of Titles	No. of volumes	Project Reports	No. of journals	Seminar Documents(IEEE)	CD
311	622	281	15	170	080

- C). Internet facilities for staff and students

- Internet Speed 14 MBPS (10 BSNL & 4 iNet).

- All the staff and students can access the internet over WiFi.

## D). Laboratories: 08

S.NO	NAME OF THE LABORATORY	AREA (Sq.mts)	TOTAL INVESTMENT(R.S)
1	C &Data Structure Lab	154.74	13,30,000/-
2	IT Workshop lab	77.78	1,47,500/-
3	Multimedia and language processor Lab	154.74	13,89,628/-
4	Unix and Java Lab	154.74	8,82,260/-
5	Project Lab	77.38	7,80,000/-
6	Microprocessor Lab	77.78	7,26,980/-
7	Advanced communication skills labs	154.7	11,64,000/-
8	Central Computing Lab	283.34	24,87,206/-

31. Number of students receiving financial assistance from college, University, Government or other agencies

Agency	2010-11	2011-12	2012-13	2013-14
College	-	-	2	3
University	-	-	-	-
Government	273	261	233	264
Other Agencies	-	-	-	-

32.Details on student enrichment programmes (special lectures /workshops /seminar) with external experts

S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited
Academic Year 2013-14			
1	Three Day Workshop on Android Applications by Mr. Shaik Mohammadh from CTC	24 <sup>th</sup> , 25 <sup>th</sup> and 26 <sup>th</sup> July 2014	130
2	A Seminar on E-Learning by K.Venkata Srinivas from Globarena	27 <sup>th</sup> , 28 <sup>th</sup> and 29 <sup>th</sup> October 2014	210
3	A Three Day Workshop on Soft skills by Y.Archana and K. Indira from	15 <sup>th</sup> , 16 <sup>th</sup> and 17 <sup>th</sup> August 2014	60

	Corporate Learning World		
4	A Two Day Workshop on Microsoft Technologies by K.Sathish and Vamsi from Microsoft	26 <sup>th</sup> , 27 <sup>th</sup> September 2014	60
S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited
Academic Year 2012-13			
1.	A Three day workshop on WEBWORKS by COIGN group	14 <sup>th</sup> -16 <sup>th</sup> july 2012	125
2.	A four day workshop on Cloud Computing with Dot net technologies by COIGN group	21 <sup>st</sup> -24 <sup>th</sup> September 2012	80
3	A Guest Lecture on Cyber security by Prof G Rama Koteswara rao	11 <sup>th</sup> September 2012	90
4	Assoc Prof Ms L Sumalatha of JNTUK gave a Guest Lecture on Information Security	29 <sup>th</sup> Dec,2012	97
5	A Workshop on National Programme on Technology Enhanced Learning(NPTEL) Conducted by NPTEL & CLASSLE for students	25 <sup>th</sup> Feb,2013	62
6	A Seminar on Personality development training programme given by Sree rama Chandra Murthy for CSE Students	4 <sup>th</sup> Feb,2013	100
7	A Seminar on Nutrition, hygiene & Health given by Dr. Y Anantha Lakshmi for CSE Students	8 <sup>th</sup> March,2013	70
8	Soft Potential workshop is conducted by Swechha Group, Hyderabad	4 <sup>th</sup> -6 <sup>th</sup> Dec,2012	60
9	Mr. R Madhu Murthy Founder Chairman, Talent Sprint Foundation gave seminar on soft skills to students	9 <sup>th</sup> December 2012	100
S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited
Academic Year 2011-12			
1	Mr. T.Narsimha Rao, Director NeoApp Technologies Hyd. Gave a Guest Lecture to students on Microsoft Technologies.	19 <sup>th</sup> August , 2011	80
2	Mr. Rajesh chibber, BTBP Chairman, Addressed Final year B.Tech. CSE- Students	09 <sup>th</sup> November, 2011	88
3	Mr. Ch.Durga Prasad, HR manager of Mahindra Satyam Addressed students	11 <sup>th</sup> December,	88



		2011	
4	Mr. Tammireddy Krishna, Head, Sales, Asia & Africa, Blackberry conducted workshop for students on Mobile Technologies	13 <sup>th</sup> December 2011	80
5	Dr. K.Sriram ITC-Infotech conducted a Seminar on “Be lead or lead to students	3 <sup>rd</sup> Feb-2012	70
6	Prof. J V R Murthy gave a Guest Lecture on Professional attitude and goal setting to students	10 <sup>th</sup> December 2011	75
7	Mr. M.Subrahmanyam conducted Seminar on Employability to students	3 <sup>rd</sup> Feb-2012	80
8	Prof. Rama Sri conducted a Guest Lecture on SOFTWARE ENGINEERING	3 <sup>rd</sup> March 2012	80
9	Asst Prof Mr. S N S V S C Ramesh conducted a Guest Lecture on e-commerce	3 <sup>rd</sup> March 2012	90
S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited
Academic Year 2010-11			
1	Prof. K Srinivasa Rao conducted a seminar on DATA MINING AND WAREHOUSING	18 <sup>th</sup> August 2010	85
2	Mr. B Ramakrishna, Technical Manager of Cramaster Software Solutions Gave a Guest Lecture on .NET Technologies	15 <sup>th</sup> September 2010	85

### 33. Teaching Methods Adopted to improve student learning

- Assigning seminar topics.
- Offering special coaching for GATE exam.
- Special training to motivate students to present papers in seminars.
- Advising to participate in classroom seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and Thereby, to improve their presentation skills.
- Motivating to access, reference materials and ppt's help them to understand the emerging trends in their field of study
- Training to use audio visual aids like power point, charts,

models etc for effective presentation

- Providing opportunities to develop their creativity by organizing Intercollegiate as well as national level cultural, literary, technical and sports Competitions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

A).NSS Activities:

Year	Name of the activity	Venue	Date(s)	No. of students participated
2010	Social service activities & their importance	BVCITS	3-07-2010	100
	Personality development and life skills	BVCITS	12-8-2010 to 16-08-2010	90
	Cultural activities their importance Songs(Patriotic and folk)	BVCITS	20-10-2010	65
	World Environment Day celebrations	BVCITS	5-06-2010	100
	World Population Day Celebrations	BVCITS	11-07-2010	80
	Independence Day Celebrations	BVCITS	15-8-2010	100
	Mother Teresa Anniversary Day Celebrations	BVCITS	26-8-2010	90
	Teachers Day Celebrations	BVCITS	05-09-2010	100
	Engineers Day Celebrations	BVCITS	15-09-2010	100
	NSS Foundation Day Celebrations	BVCITS	24-09-2010	100
	Gandhi Jayanthi Celebrations	BVCITS	2-10-2010	70
	Anti Ragging Drive	BVCITS	6-10-2010	100
	Mass tree plantation Program	BVCITS	30-10-2010	100
	Fresher's Day Celebrations	BVCITS	16-12-2010 to	100

			18-12-2010	
2011	Youth Day Celebrations	BVCITS	12-01-2011	100
	Sankranthi Sambaralu	BVCITS	13-1-2011	100
	Republic Day Celebrations	BVCITS	26-1-2011	80
	Blood Donation Camp	BVCITS	18-03-2011	100
	Ugadi Sambaralu	BVCITS	31-03-2011	80
	NSS Foundation Day Celebrations	BVCITS	24-09-2011	100
2012	National Voters Day Celebrations	BVCITS	25-01-2012	250
	NSS Special Camp	Indupalli	06-02-2012 to 12-02-2012	50
	Eye Donation Awareness Rally	BVCITS	25-08-2012	250
	Mother Teresa Anniversary Day Celebrations	BVCITS	26-8-2012	400
	NSS Foundation Day Celebrations	BVCITS	24-09-2012	100
2013	Vivekanda Birthday Celebrations	BVCITS	12-1-2013	100
	Sankranthi Sambaralu	BVCITS	13-1-2013	400
	National Voters Day Celebrations	BVCITS	25-01-2013	120
	NSS Special Camp	Bodasakurru	21-03-2013 to 27-03-2013	150
2014	Blood Donation Camp	BVCITS	11-07-2014	120
2014	Eye Donation Awareness Camp	BVCITS	14-9-2014	100

B).CARE (Helping Hands) : In CSE department CARE Helping Hand Association is Inaugurated on 27<sup>th</sup> sep 2012 for Helping Needy People.

Year	Name of the activity	Venue	Date(s)	No. of students participated
2011-12	Distributed Needy Things to	BVCITS	27-09-2012	60

	DEAF&DUMB			
2012-13	Fire accident for child	BVCITS	12-12-2013	55
2013-14	Student Health Problem	BVCITS	12-01-2014	60
2013-14	Student Health Problem	BVCITS	11-07-2014	80
2013-14	Hudhud Cyclone 25-10-201	BVCITS	25-10-2014	120

### 35. SWOC analysis of the department and Future plans

#### Strengths

- Department is Accredited by NBA, NEWDELHI in the Year 2014
- Well equipped laboratories with latest systems and required software.
- Availability of research facilities in thrust areas like Mobile Computing, Network Programming, Design patterns ,Image processing etc.
- Systematic monitoring of teaching-learning process, out come based education
- Active participation of alumni for career guidance and improvement

#### Weaknesses

- Less number of students pursuing higher studies
- Students are lacking communication skills at the entry level as many of them are coming from rural areas.

#### Opportunities

- Amicable management attitude in the form of special pays and incentives attracting qualified and experienced faculty.
- Soft skills and related training by T&P Cell and provide in-house

projects.to raise the employability of the students.

### Constraints

- Rural Location of the college leading to students with poor communication skills.

### Future Plans

- To ensure and encourage every faculty members to involve in research for the award of Ph.D
- To Achieve 100% Results and Placements
- To obtain R&D Center Certification from Department of Science & Technology
- To take up R&D projects from funding agencies like DST, UGC and AICTE.

## CIVIL ENGINEERING

1. Name of the department: CIVIL ENGINEERING
2. Year of Establishment : 2012
3. Names of Programmes / Courses offered (UG, PG, M.Phil ., Ph.D., Integrated Masters, Integrated Ph.D., etc.)

UG: B. Tech (Civil Engineering)

4. Names of Interdisciplinary courses and the departments/units involved:  
Nil
5. Annual/ semester/choice based credit system (programme wise)

UG: B.Tech (Civil Engineering) - Semester based Credit system -  
Electives in higher semesters

6. Participation of the department in the courses offered by other departments

S.No	Programme	Department	Year & Regulation	Courses offered by other departments
1	B. Tech	Electronics & Communications Engineering	I Year ( R - 13 )	Engineering Drawing
			II / I ( R - 13 )	Environmental Studies

- 7 Courses in collaboration with other universities,  
industries, foreign institutions, etc. : NIL

- 8 Details of courses/programmes discontinued (if any) with reasons :  
NIL

- 9 . Number of Teaching Posts: 08

	Sanctioned	Filled
Professors	1	1
Associate Professors	--	--
Assistant Professors	7	7

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

S.No	Name of the Faculty	Qualification	Designation and Date of Joining the Institution	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
1.	Dr. MCS MADAN	M.Sc, M.Phil, M.Tech, Ph.D	Prof & HOD	Envn. Eng	25	Nil
2.	Ms. NSS Kumari	B.Tech, M.Tech	Asst. Prof	Structural Engineering	2	Nil
3.	Ms. B. Madhu Priya	B.Tech, (M.Tech)	Asst. Prof	Geotechnical Engineering	2	Nil
4.	Mr. G. Sampan	B.Tech	Asst. Prof	Civil	1	Nil
5.	Ms. A.N. Dev iaka	B.Tech	Asst. Prof	Civil	1	Nil
6.	Mr. P. Raju	B.Tech	Asst. Prof	Civil	1	Nil
7.	Ms. Y. Pavan i	B.Tech	Asst. Prof	Civil	1	Nil
8.	Ms. P. D. Bhavani	B.Tech	Asst. Prof	Civil	1	Nil

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty. : NIL

13. Student -Teacher Ratio (programme wise)

B. Tech - 1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	SANCTIONED	FILLED
ACADEMIC SUPPORT STAFF (TECHNICIANS)	2	2
ADMINISTRATIVE STAFF	1	1

## 15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

NO.OF FACULTY OF WITH DSc/D.Litt	NO.OF FACULTY OF WITH Ph.D	NO.OF FACULTY OF WITH M.Phil	NO.OF FACULTY OF WITH PG.(M.TECH)	NO.OF FACULTY OF WITH UG. (B.TECH)
--	1	-	1	6

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

A) National : NIL

B) International : NIL

## 17 Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

## 18. Research Centre/facility recognized by the University: Nil

## 19. Publications: (Last four years) Publication per faculty

S.NO	NAME OF THE FACULTY	NO.OF PUBLIC ATIONS	BOOKS WITH ISSN NUMBERS WITH DETIALS OF PUBLISHERS	MON OGR APHS	CHAPT ER IN BOOKS	CITATI ON INDEX	SNIP- SOURCE NORMALI ZED IMPACT PER PERSON	SJR SCLM AGO JOU RNAL RAN K	NO OF PUBLIC ATIONS WITH IMPAC T FACTO R	NO OF PUBLIC ATIONS WITH H- INDEX
1.	Dr.M.C.S.Mad an	2	ISSN:	--	--	--	--	--	1	-

## 20.Areas of consultancy and income generated:Nil

## 21.Faculty as members in

- a) National committees :  
NIL
- b) International Committees :  
NIL
- c) Editorial Boards :  
NIL

## 22. Student projects:Nil

## 23 .Awards / Recognitions received by faculty and students



## A) Awards by Faculty:

S.NO	Name of Faculty	Name of Event	Venue	Dates	Prize
1	Dr.M.C.S .MADAN	Best Teacher	JNTUK-Kakinada	5 <sup>th</sup> SEP,2010	1 <sup>st</sup>

## B) Awards by Students: Nil

S.NO	Name of Student	Name of Event	Venue	Dates	Prize
Academic Year-2013-14					
1	G. Durga Prasad	RACE-AUTOCAD	Ideal Institute of Technology	26 <sup>th</sup> sept,2014	IInd

## 23. List of eminent academicians and scientists/visitors to the department

## Organizing Engineering Events :

1. Prof. K V S G Murali Krishna, Dept of Civil, JNTUCE, Kakinada
2. Prof. N. Swaroopa Rani, Dept of Civil, JNTUCE, Kakinada

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

a) National: Nil

b) International: Nil

## 26. Student profile programme/course wise:

Year	Name of the Course / program	Applications received	Selected (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
20012-13	B.Tech (Civil)	*	38	32	6	NA
2013-14	B.Tech (Civil)	*	59	45	14	NA
2014-15	B.Tech (Civil)	*	60	44	16	NA

\* Admissions are through EAMCET counseling of AP State Govt. Diversity of Students

Year of Admissio	Name of the	% students from the	% of students from other	% of students
2012-13	B.TECH(CIV	100	0	0
2013-14	IL)	100	0	0

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

28. Student progression. NA

30. Details of Infrastructural facilities

A). Library: Plinth Area: 800 sq.mts

No. Of Titles	No. of volumes	Project Reports	No. of journals	Seminar Documents(IEEE)	CD
192	1471	0	1	1	100

B). Internet facilities for staff and students

- Internet Speed 14 Mbps
- All the staff and students can access the internet over Wi-Fi.

C). Laboratories : 03

S.No	NAME OF THE LABORATORY	AREA (Sq.mts)	TOTAL INVESTMENT(R.S)
1	Surveying Lab	70	121000
2	Engineering Geology Lab	103	52000
3	Concrete Technology Lab	77	153000

31. Number of students receiving financial assistance from college, University, Government or other agencies : Nil

32. Details on student enrichment programmes (special lectures /workshops /seminar) with external experts

S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited
Academic Year 2013-14			

1	A Seminar on E-Learning by K.Venkata Srinivas from Globarena	27 <sup>th</sup> , 28 <sup>th</sup> and 29 <sup>th</sup> October 2014	155
2	A Three Day Workshop on Soft skills by Y.Archana and K. Indira from Corporate Learning World	15 <sup>th</sup> , 16 <sup>th</sup> and 17 <sup>th</sup> August 2014	97
S.No.	special lectures/workshops/seminar	Date(s)	No. of Students Benefited

## Academic Year 2012-13

1	A Seminar on Personality development training programme given by Sree rama Chandra Murthy for Civil Students	4 <sup>th</sup> Feb,2013	95
2	A Seminar on Nutrition, hygiene & Health given by Dr. Y Anantha Lakshmi for Civil Students	8 <sup>th</sup> March,2013	90
3	Mr. R Madhu Murthy Founder Chairman, Talent Sprint Foundation gave seminar on soft	9 <sup>th</sup> December 2012	33

## 33. Teaching Methods Adopted to improve student learning

- Assigning seminar topics.
- Special training to motivate students to present papers in seminars.
- Advising to participate in classroom seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study
- Training to use audio visual aids like power point, charts, models etc for effective presentation
- Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, technical and sports competitions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

A).NSS Activities:

Name of the activity	Venue	Date(s)	No. of students participated
National Voters Day Celebrations	BVCITS	25-01-2012	10
NSS Special Camp	Indupalli	06-02-2012 to 12-02-2012	10
Eye Donation Awareness Rally	BVCITS	25-08-2012	10
Mother Teresa Anniversary Day Celebrations	BVCITS	26-8-2012	10
NSS Foundation Day Celebrations	BVCITS	24-09-2012	10
Vivekanda Birthday Celebrations	BVCITS	12-1-2013	10
Sankranthi Sambaralu	BVCITS	13-1-2013	10
National Voters Day Celebrations	BVCITS	25-01-2013	10
NSS Special Camp	Bodasakurru	21-03-2013 to 27-03-2013	10
Blood Donation Camp	BVCITS	11-07-2014	10
Eye Donation Awareness Camp	BVCITS	14-9-2014	10

B).SAFE - Extending Charity:

S.No	Context/ Date	No. of students participated
1	Fire accident for child 12-12-2013	10
2	Student Health Problem 12-01-2014	10
3	Student Health Problem 11-07-2014	10
4	Hudhud Cyclone 25-10-2014	10

35. SWOC analysis of the department and Future plans

### Strengths

- Availability of qualified and experienced faculty.
- Well equipped laboratories with latest systems and required software.
- Systematic monitoring of teaching-learning process, outcome based education

### Weaknesses

- Students are lacking communication skills at the entry level as many of them are coming from rural areas.

### Opportunities

- Amicable management attitude in the form of special pays and incentives attracting qualified and experienced faculty.
- Organizing workshops, seminars and guest lectures by eminent resource persons from MNC Companies and universities
- Soft skills and related training by T&P Cell and association with reputed organizations.

### Constraints

- Because of the college located at rural area students communication skills are poor.

### Future Plans

- To ensure and encourage every faculty member to involve in research for the award of P.G. & Ph. D
- To Achieve 100% Placements
- To establish Consultancy Center
- To obtain R&D Center Certification from Department of Science

### & Technology

- To take up R&D projects from funding agencies like MoEN,DST, UGC and AICTE.

## MECHANICAL ENGINEERING

1. Name of the department : MECHANICAL ENGINEERING
2. Year of Establishment : 2012
3. Names of Programmes / Courses offered

S No	Programme	Courses offered
01	UG	B Tech
02	PG	M Tech

4. Names of Interdisciplinary courses and the departments/units involved:  
NIL
5. Annual/ semester/choice based credit system (programme wise)
  - a) B.Tech - (Mechanical Engineering) - Semester based credit system - Electives in higher semesters.
  - b) M.Tech - (CAD/CAM) - Semester based credit system - Electives in higher semesters.
6. Participation of the department in the courses offered by other departments

S No	Programme	Courses offered by other departments
1	B Tech	Electrical & Electronics Engineering
		Electronics & Communication Engineering
		Computer Science Engineering
		Civil Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
8. Details of courses / programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts:
  - a) U.G Programme:

Designation	Sanctioned	Filled
Professor	1	1
Assistant	7	7

Professor		
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b) P G Programme:

Designation	Sanctioned	Filled
Assoc. Professor	1	1

10. Faculty profile with name, qualification, designation, specialization,

(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Designation	Name	Qualification	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
1	Professor	M M S Prasad	M Tech (Ph D)	Thermal (Manufacturing)	28 yrs	Nil
2	Associate Professor	K Suresh	M Tech	CAD/CAM	10 yrs	Nil
3	Asst Professor	A Ramachandra Rao	B Tech	Mechanical	30 yrs	Nil
4	Asst Professor	S Pranav Sagar	B Tech ( M Tech)	Mechanical (Thermal)	3 yrs	Nil
5	Asst Professor	G Murali Krishna	B Tech ( M Tech)	Mechanical (CAD/CAM)	1 yr	Nil
6	Asst Professor	V Ravindra Babu	B Tech ( M Tech)	Mechanical (Thermal)	5 yrs	Nil
7	Asst Professor	P Satish	B Tech	Mechanical	5 yrs	Nil
8	Asst Professor	A Hema Naga Parvati	B Tech	Mechanical	1 yr	Nil
9	Asst Professor	M Dhanalakshmi	B Tech	Metallurgical Sciences	1 yr	Nil

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL



13. Student -Teacher Ratio (programme wise) : 1 : 15 (U.G)

1: 12 (P.G)

14. Number of academic support staff (technical) and administrative staff; sanctioned & filled:

	Sanctioned	Filled
Academic support staff (Technical)	3	3

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

	No. of Faculty with Ph.D	No. of Faculty with M.Phil	No. of Faculty with PG (M.Tech / MA/ M.Com / M.Sc/ MBA / MCA)	No.of faculty with UG (B.Tech)
Nil	1*	Nil	1	7

\* Ph.D Thesis Submitted

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

(a) National: NIL

(b) International: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications (last 4 years):

S No	Name of the faculty	No of the publications	Monographs	Chapter in books	Books edited	Books with ISBN / ISSN numbers	Citation Index	SNIP (Source Normalized)	SJR (Scimago Journal Rank)	No. of Publications with	No. of Publications with hindex
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01	M M S Prasad	6	--	--	--	--	1	--	--	5	--

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

- a) National committees : NIL
- b) International Committees : NIL
- c) Editorial Boards : NIL

22. Student projects

- a) Percentage of students who have done in-house projects including : Nil  
inter departmental/programme
- b) Percentage of students placed for projects in organizations outside : Nil  
the institution i.e.in Research laboratories/Industry/other agencies.

23. Awards/ Recognitions received by faculty and students:

- a) Faculty: Nil
- b) Students: Nil

24. List of eminent academicians and scientists/ visitors to the department:

S No	Year	Name of the Academician/Scientist	Designation	Organization	Purpose of visit
01	2014	Mr M S R K Prasad	Asst General Manager	NFCL, Kaki nada	Inaugurate the students association
02	2014	Mr V Phanindra	Dy Manager-O & M	NTPC- Simhadri plant, Vizag	Guest lecture

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National

S No	Year	Name of the Seminar / Conference / Workshop	Date(s)	Source of funding	Amount spent (Rs.)
01	2014	Basics in power plants	27.9.2014	Institute	4000/-
02	2014	EVINCE 2k14	14.09.2014& 15.09.2014	Institute	2000/-

## b) International : NIL

## 26. Student profile programme/course wise:

Year	Name of the Course/Programme	Applications received	Select (Number Admitted including Lateral Entry)	Enrolled		Pass %
				Male	Female	
2012-16	B.Tech (ME)	*	66	66	Nil	In progress
2013-17		*	70	64	06	In progress
2014-18		*	57	56	01	In progress
2014-16	M.Tech (ME)	*	Admissions In progress			

\* Admissions are through ECET/EAMCET/PGE CET counseling of AP State Govt.

## 27. Diversity of Students

Year of Admission	Name of the Course	% students from the same State	% of students from other States	% of students from abroad
2012-16	B.Tech (ME)	100	0	0
2013-17		100	0	0
2014-18		100	0	0
2014-16	M.Tech (CAD/CAM)	Admissions In progress		

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

29. Student progression.

Student progression		Against % enrolled
UG to PG		NA
PG to M.Phil.		NA
PG to Ph.D.		NA
Ph.D. to Post-Doctoral		NA
Employed	Campus selection	NA
	Other than campus recruitment	NA
Entrepreneurship / Self-employment		NA

30. Details of Infrastructural facilities

Library : ( Central Library) :

a) Plinth Area: 800 sq.mts.

No.of Titles	No.of Volumes	No.of Computers	No.of E-Journals	No.of Print Journals
65	350	01	Nil	Nil

Internet facilities for Staff &

b) Students

14 Mbps broad band leased line

Class rooms with ICT

c) facility : 03

d) Laboratories : 06

Sl. No.	Name of the laboratory	Area (Sq.Mts)	Total Investment (Rs.)
1	Work shop	200	1,58,334
2	Mechanics of solids & Metallurgy and material science	85	2,68,350
3	Production technology	70	1,44,785
4	Thermal engineering	85	47,723
5	Machine tools	103	5,78,912
6	Fluid mechanics & hydraulic machinery	103	3,13,325

31. Number of students receiving financial assistance from college, University, Government or other agencies.

Agency	No. of students received financial assistance		
	2012-16	2013-17	2014-18
College	Nil	Nil	In progress
University	Nil	Nil	In progress
Government	53	43	In progress
Other Agencies	Nil	Nil	In progress

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts

Year	Title of the programme	special lectures/workshops/seminar	Date(s)	No. Benefited
2014-15	A guest lecture	Basics in power plants	27.9.14	136

33. Teaching methods adopted to improve student learning

- Organizing guest lectures, Seminars, work shops, Technical Quizzes, group discussions and Model making contests.
- Remedial classes to the weak candidates..
- Developing study material to the slow learners to support them in studies.
- Conducting extra classes to solve the questions in the previous University papers and also to clarify the doubts of the students.
- Encouraging Mini Projects as a part of teaching methodology.
- Develop a team of good learners to enable them to help the poor learners in improving them in academics.
- Organizing coaching classes for GATE/GRE/TOFEL.
- Organizing campus placement training classes/soft skills training/improving communication skills to improve their presentation skills..
- Support the students in giving value added technical training on software packages like Pro-E, CATIA, Unigraphics and ANSYS get better employment opportunities.
- Give motivation to the students to refer online journals to know the present technological developments day to day.

- k) Train the students to use audio visual aids, display charts, power point presentations, any prototypes for effective presentation.
- l) To encourage and provide opportunities to the students to participate in cultural activities, sports competitions, literary events

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

##### a) NSS activities

Year	Name of the activity	Venue	Date(s)	No of students participated
2014-15	Blood donation camp	BVCITS	11.7.14	20
	Independence day	BVCITS	15.8.14	60
	Teachers' day	BVCITS	05.9.14	110
	Engineers' day	BVCITS	15.9.14	100
	NSS foundation day	BVCITS	24.9.14	25

#### 35. SWOC analysis of the department and Future plans

##### Strengths

- a) Well equipped laboratories.
- b) Effective monitoring of teaching-learning process.
- c) Systematic way counseling.

##### Weaknesses

- a) As majority of the students are from rural back ground, who are very much lagging behind in communication skills.
- b) Training to the faculty in latest software packages.

##### Opportunities

- a) Complete support by the management in improving the qualifications of the faculty.
- b) The efforts made by the Training & placement dept in the areas of placements, soft skills development, association with the alumni will

improve the confidence level among the students to get them more employable.

### Constraints

Quality of the intake of the students is not so better because of the no of engineering colleges are more in existence nearby to their door steps.

### Future Plans

- a) To get good pass percentage.
- b) Train the students to suit to the requirements of the employers.
- c) To place more no of students in reputed companies.

### Master of Computer Applications

1. Name of the department : Master of Computer Applications
2. Year of Establishment : 2007
3. Names of Programmes / Courses offered :

P. G : MCA - Master of Computer Applications

4. Names of Interdisciplinary courses and the departments / units involved:  
NIL
5. Annual / semester / choice based credit system ( Programme wise ) :

MCA - Semester System - Electives in Higher Semesters

6. Participation of the department in the courses offered by other departments:

S.No	Programme	Course offered by other departments
1	B. Tech	Electrical & Electronics Engineering
		Electronics & Communication Engineering
2	MBA	Master of Business Administration

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : NIL
8. Details of courses / programmes discontinued (if any) with reasons: NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	00	00
Associate Professor	02	02
Assistant Professor	16	16
TOTAL	18	18



10. Faculty profile with name, qualification, designation, specialization, (D.Sc. / D.Litt./ Ph.D. / M.Phil.etc.,)

S.NO	NAME	QUALIFICATION	DESIGNATION	SPECIALIZATION	NO. OF YEARS OF EXPERIENCE
1	AKELLA V.S.M. GANESH	M.TECH	Associate Professor & HOD	CSE	8
2	NALLA LAKSHMI	M.TECH	Associate Professor	CSE	8
3	ILLA MANGA DEVI	M.TECH	Assistant Professor	CSE	4
4	TIKKA PALLAM RAJU	M.TECH	Assistant Professor	CSE	4
5	MORAM L REKHA	M.TECH	Assistant Professor	CSE	2
6	T.N.PHANEENDRA	MCA	Assistant Professor		5
7	GURLINKA L.N.V.S. KUMAR	MCA	Assistant Professor		4
8	UNGARALA V V DURGA DEVI	MCA	Assistant Professor		4
9	R.V.S. NAGA LAKSHMI	MCA	Assistant Professor		4
10	MATTAPARTHI SANDHYA	MCA	Assistant Professor		3
11	AKULA NAGA BHUSHANAM	MCA	Assistant Professor		2
12	VANGA VIJAYA SITHARAM	MCA	Assistant Professor		2
13	VENU POTHURI	MCA	Assistant Professor		1
14	BANDARU VENKATESH	MCA	Assistant Professor		1
15	HEMA RAJASRI GUNTU	MCA	Assistant Professor		1
16	SURYA PRIYANKA NANDEPU	MCA	Assistant Professor		1
17	VEGI NARASIMHA NAIDU	M. Sc	Assistant Professor	IT	4
18	PERABATHULA NARAYANA RAO	M. Sc	Assistant Professor	IT	1

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty : NIL

13. Student - Teacher Ratio ( Programme Wise) : 1:15

14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled

Title	Sanctioned	Filled
Academic Support Staff (Technical)	02	02
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

No.of Faculty with D. Sc / D. Litt	No.of Faculty with Ph. D	No.of Faculty with M. Phil	No.of Faculty with PG (MCA, M. Tech, M.Sc)		
			MCA	M. Tech	M. Sc
NIL	NIL	NIL	11	05	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR ,etc. and total grants received : NIL

18. Research Centre/facility recognized by the University : NIL

19. Publications:

a) Publication per faculty

S. No	Name of the Faculty	No. of Publications	Mono graphs	Chapter	Books Edited	ISBN / ISSN No	Citation Index	SNIP	SJR	Impact factor	Publications with h index
1	A V S M Ganesh	01	-	-	-	2249-5738	-	-	-	-	-
2	G L N V S Kumar	03	-	-	-	2231-5292	-	-	-	3.5	-
3	N. Lakshmi	01	-	-	-	2278-5841	-	-	-	2.4	-

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Boards : NIL

## 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental / programme : 95%

b) Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories / Industry / other agencies : 5 %

## 23. Awards / Recognitions received by faculty and students :

Sl.No	Roll. No	Name of the Student	Program	Award / Recognition
1	13H41F00043	M.Vijaya durga lakshmi	Zonal Wide Elocution	First Prize
2	13H41F00043	M.Vijaya durga lakshmi	Zonal Wide Elocution	Second Prize
3	13H41F0031	K.Sindhuja	zonal wise Dance	First Prize
4	11H41F0033	V.Sathish	Debugging	Second Prize
5	11H41F0033	V.Sathish	elan - 2k12	First Prize
6	13H41F0047	p.prabhavathi	Elan2k12	First Prize
7	13H41F0061	s.sowjanya	Elan2k12	First Prize
8	11H41F0016	Anasuya	Elan2k12	First Prize
9	10H41F0019	p.Sri swathi	Elan2k12	First Prize
10	10H41F0008	G.Sirisha	Elan2k12	First Prize
11	11H41F0005	A.Nagalakshmi	Elan2k13	First Prize
12	13H41F0051	P.L.B.T.Sundari	Elan2k13	First Prize
13	12H41F0051	V.Eswar	Elan2k13	First Prize
14	12H41F0038	N.Bindu Madhavi	Elan2k13	First Prize
15	11H41F0033	V.Sathish	Elan2k13	First Prize BVCITS
16	13H41F0044	M.S.Saranya	Elan2k13	Second Prize BVCITS
17	13H41F0046	N.N.Kiranmai	Elan2k13	Second Prize BVCITS

## 24. List of eminent academicians and scientists / visitors to the department

S. No	Year	Name of the Academician / Scientist	Designation	Organization	Purpose of Visit
1	2011-12	S. Surya Prakash	CEO	ZeonIT Services, Vizag	Guest Lecture
		Mr. Tammireddy Krishna	Head, Sales, Asia & Africa,	Blackberry	

2	2012-13	B. Vijaya Kumar	Project Manager	ITC Infotech, Bangalore	
		Dr. K. Anantha Lakshmi	Gynecologist	Sri konaseema multi specialties hospital, Amalapuram	
3	2013-14	V.Venkateswara Rao	Sr. Scientist	DRDO, Delhi	
4		S. Siva Kalyan	Sr. System Admin	Wipro, Hyderabad	
5	2014-15	K. Naveen	Software Engineer	CTC, Hyderabad	
6		Dr. T. Verraju	Professor	SCET, Surampalem	

25. Seminars / Conferences / Workshops organized & the source of funding

a) National :

S. No	Seminar/Conference/Workshop	Date(s)	Source of Funding	Amount Spent
1	Four day workshop on “Cloud Computing with .Net Technologies”	21 <sup>st</sup> - 24 <sup>th</sup> Sep, 2012	BVCITS	30000
2	A Three day Workshop on “ Soft Potential”	4 <sup>th</sup> - 6 <sup>th</sup> Dec, 2012	BVCITS	25,000
3	A Two-Day Workshop on " Knowledge Practices and Emerging Applications in Data Mining"	23 <sup>rd</sup> - 24 <sup>th</sup> March, 2013	BVCITS	30,000
4	Three day workshop on “ Android Applications”	24 <sup>th</sup> - 26 <sup>th</sup> July, 2014	BVCITS	25,000

b) International : NIL

26. Student profile programme / course wise:

Year	Name of the Course / programme	Applications received	Selected	Enrolled		Pass percentage
				M	F	
2007-10	MCA	Through ICET Conducted by AP Government	60	38	22	100
2008-11			60	42	18	100
2009-12			45	26	19	100
2010-			35	10	25	100

13					
2011-14			34	19	15
					100

## 27. Diversity of Students

Year of Admissions	Name of the Course	% of students from the same State	% of students from other States	% of students from abroad
2007-10	MCA	100	---	---
2008-11		100	---	---
2009-12		100	---	---
2010-13		100	---	---
2011-14		100	---	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.? : NIL

## 29. Student progression

Student Progression	Against % enrolled
UG to PG	NIL
PG to M. Phil.	NIL
PG to Ph. D.	NIL
Ph. D. to Post - Doctoral	NIL
Employed	08%
• Campus selection	23%
• Other than campus recruitment	5
Entrepreneurship/Self-employment	03%

## 30. Details of Infrastructural facilities

a) Central Library: Plinth Area - 800sq.m.

No. of titles	No. of Volumes	No. of Computers	No. of E-Journals	No. of print Journals/Magazines
925	7060	35	63	06

b) Department Library

No. of Titles	No. of Volumes	No. of E- Journals	No. of Print Journals
187	105	63	6

b) Internet facilities for Staff & Students :

A separate internet lab with 14 Mbps bandwidth is provided to staff and students

c) Class rooms with ICT facility : 03

d) Laboratories: 03

S. No	Name of the Laboratory	Area ( Sq. Mt)	Total Investment ( Rs.)
1	OOAD through UML	77.9	1,47,500
2	Multimedia Applications & Design Lab	77.9	7,71,289
3	UNIX Lab	77.9	7,71,289

31. Number of students receiving financial assistance from college, university, Government or other agencies

	No. of students received financial			
	2008 - 11	2009 -	2010 -	2011 -
College	-	-	-	-
University	-	-	-	-
Government		14	15	12
Other agencies	-	-	-	-

32. Details on student enrichment programmes (special lectures / workshops / Seminar ) with external experts

Year	Title of the Programme	Special Lectures / Workshops/ Seminar	Date(s)	No. Benefited
2011 - 12	Awareness on .NET Technology	Special Lecture	18/08/2011	110
	Mobile Technologies	Special Lecture	13/12/2011	110
	Soft Potential	Three day Workshop	4 <sup>th</sup> -6 <sup>th</sup> Dec,2012	110
2012-13	Real time project organization	Special Lecture	22/12/2012	135
	Nutrition, hygiene & Health	Seminar	08/03/2013	65
	WEBWORKS	Three day	14 <sup>th</sup> -16 <sup>th</sup>	120

		workshop	July 2012	
	Cloud Computing with .Net Technologies	Four day workshop	21 <sup>st</sup> -24 <sup>th</sup> Sep 2012	120
	Awareness on NPTEL	One day Workshop	25/02/2013	120
2013-14	Server Administration	Special Lecture	16/09/2013	125
	Ethical Hacking	Special Lecture	05/03/2014	125
	Open Source Systems	Special Lecture	18/06/2014	150
2014-15	Andriod Applications	Three day workshop	24 <sup>th</sup> - 26 <sup>th</sup> July 2014	140
	Software Life Cycles	Special Lecture	18/09/2014	140

33. Teaching methods adopted to improve student learning:

- Case-study based education
- Active learning action research affective domain
- Exposure of presentation and communication skills
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, technical and sports competitions
- Organizing industry visits for showing practical implementation of theoretical study.
- Assigning seminar topics and motivate students to present papers in seminars.
- Advising to participate in classroom seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- Training to use audio visual aids like power point, charts, models etc for effective presentation

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

#### a) NSS Activities

S. No	Activity	Date of Activity	No. of students participated / Beneficiaries
<b>2010</b>			
1	World Environment Day	05-06-2010	20
2	World Population Day Celebrations	11-07-2010	18
3	Independence Day Celebrations	15-08-2010	150
4	Mother Teresa Anniversary Day	26-08-2010	75
5	Teachers Day Celebrations	05-09-2010	150
6	Engineers Day Celebrations	15-09-2010	150
7	NSS Foundation Day Celebrations	24-09-2010	21
8	Gandhi Jayanthi Celebrations	02-10-2010	100
9	Anti Ragging Drive	06-10-2010	150
10	Mass tree plantation Program	30-10-2010	75
<b>2011</b>			
11	Youth Day Celebrations	12-01-2011	65
12	Sankranti Sambaralu	13-01-2011	135
13	Republic Day Celebrations	26-01-2011	135
14	Blood Donation Camp	18-03-2011	18
15	Ugadi Sambaralu	31-03-2011	120
16	NSS Foundation Day Celebrations	24-09-2011	40
<b>2012</b>			
17	National Voters Day Celebrations	25-01-2012	125
18	NSS Special Camp	06-02-2012 to 12-02-2012	18
19	Eye Donation Awareness Rally	25-08-2012	08
20	Mother Teresa Anniversary Day	26-08-2012	60
21	NSS Foundation Day Celebrations	24-09-2012	20
<b>2013</b>			
22	Sankranti Sambaralu	13-01-2013	125
23	NSS Special Camp	21-03-2013 to 27-03-2013	10
<b>2014</b>			



24	Blood Donation Camp	11-07-2014	23
25	Fire Accident at Peruru, Distributed Rice Stainless Steel Drums	09-07-2014	145
26	Mother Teresa Birth Day	26-07-2014	45
27	N. S. S Foundation Day: conducted an awareness day on Eye care. Plantation of trees.	24-09-2014	21

### 35. SWOC analysis of the department and Future plans

#### Strengths

- Availability of qualified and experienced faculty.
- Highest Pass Percentage.
- Well equipped laboratories with latest systems and required software.
- Systematic monitoring of teaching-learning process.
- Active participation of alumni for career guidance and improvement.

#### Weaknesses

- Lack of software industries in nearby place.
- Students are lacking communication skills at the entry level as many of them are coming from rural areas.

#### Opportunities

- Amicable management attitude in the form of special pays and incentives attracting qualified and experienced faculty.
- Soft skills and related training by T&P Cell and association with alumni grabs the opportunities to raise the employability of the students.
- Scope for Industry Institute Interaction.

### Constraints

- More number of Engineering Colleges, quality of intake is poor.
- Lack of good communication skills in English language and lack of proper exposure to the corporate culture.

### Future Plans

- To establish centers of excellence in one or more thrust areas of Computer Applications.
- To improve participation of faculty in research activities
- To take up R&D projects from funding agencies like DST, UGC and AICTE.
- To take up consultancy works of at least Rs.3 Lakhs in next three years.
- To achieve 60% placements among eligible candidates through campus selections.

### 3. Evaluative Report of the Departments

#### MASTER OF BUSINESS ADMINISTRATION

1. Name of the department : MASTER OF BUSINESS ADMINISTRATION
2. Year of Establishment : 2009
3. Names of Programmes /Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

#### PG : MBA -( MASTER OF BUSINESS ADMINISTRATION )

4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/semester/choice based credit system ( programme wise)

#### MBA - Semester System - Electives in III & IV Semesters

6. Participation of the department in the courses offered by other departments

S.No	Programme	Courses offered by other Departments
1	B.Tech	Civil Engineering
2		Electrical & Electronics Engineering
3		Mechanical Engineering
4		Electronics & Communication Engineering
5		Computer Science & Engineering
6	PG	Master of Computer Applications ( MCA )

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons:

NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	2
Associate Professors	2	1
Asst. Professors	10	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D/ M.Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No.of Years of Experience	No. of Ph.D Students Guided for the last 4 years
1	Mr A S Narayana	M.Com, MBA, M.Phil, (Ph.D)	HOD & Associate. Professor	Finance	18	-
2	Dr D.Satyanarayana	M.A, MBA, PGDCRS, Ph.D	Professor	Finance & Marketing	22	-
3	Dr G P S V S D Nagendra Rao	MIPRM, M.Com, M.Sc(Psy), B.L, Ph.D	Professor	HR	26	-
4	Mr B K Satish	MBA	Asst.Prof.	Finance	8	-
5	Mrs D Bindumadhavi	MBA	Asst.Prof.	Finance & Systems	5	-
6	Mr M C S R Subrahmanyam	MBA	Asst.Prof.	Finance & Marketing	5	-
7	Mr V Venkateswara Rao	M.Com & MBA	Asst.Prof.	Finance & Marketing	6	-
8	Mr M Raja	MBA	Asst.Prof.	Finance & Marketing	4	-
9	Mr K Durga Prasad	MBA	Asst.Prof.	Systems & Marketing	3	-
10	Mr Y V V Satyanarayana	MBA	Asst.Prof.	Finance & Marketing	3	-
11	Ms K Surekha	MBA	Asst.Prof.	HR & Finance	2	-
12	Mr M. N R C P Kumar	MBA	Asst.Prof.	HR & Finance	2	-
13	Ms K Pravallika	MBA	Asst.Prof.	Finance & Marketing	2	-

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)

By temporary faculty: NIL

13. Student-Teacher Ratio ( programme wise): 1:20

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Administrative staff	02	02

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

No. of Faculty with D.Sc/D.Litt	No. of Faculty With Ph.D	No. of Faculty With M.Phil	No. of Faculty With PG(MA/M.Com/M.Sc/ MBA)
-	2	1	10

16. Number of faculty with ongoing projects from funding agencies and grants received : a) National : NIL  
b) International : NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre/facility recognized by the University: NIL
19. Publications:

- a) Publication per faculty

S. No	Name of the Faculty	No. of Publications	Monographs	Chapters in Books	Books Edited	Books with ISBN / ISSN number with details of publishers	Citation Index	SNIP (Source Normalized Impact per Person)	SJR (Scimago Journal Rank)	No. of Publications with Impact factor	No. of Publications with h-index
1	Mr A S Narayana	1	-	-	-	-	-	-	-	-	-
2	Dr D Satyanarayana	7	-	-	-	-	-	-	-	-	-
3	Dr G P S V S D Nagendra Rao	5	-	-	-	-	-	-	-	-	-
4	Mrs D Bindu Madhavi	1	-	-	-	-	-	-	-	-	-

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees : NIL

b) International Committees : NIL

c) Editorial Boards : NIL

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/programme : 0%

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: 100%

23. Awards/Recognitions received by faculty and students : NIL

24. List of eminent academicians and scientists/visitors to the department

S.No	Year	Name of the academician / Scientist	Designation	Organization	Purpose of Visit
1	2014	Mr. Jones & Ms Sitare	Soft Skills Trainers	USA	Workshop
2	2014	Mr. Chaitanya	HR	Suvera Tech	HR Interaction
3	2013	Prof. K V S J Murali Krishna	Professor	JNTUK-Kakinada	Guest Lecture
4	2013	Mr. P S N Murthy, IAS	Director general - Adhar	ADHAAR	Guest Lecture
5	2013	Mr. S S S R Murthy		A V S College	Work Shop
6	2013	Mr. K V Sastry	Professor	IIM - Bangalore	Guest Lecture
7	2013	Mr. G Suresh Kumar	GM	DST Solutions - Hyderabad	Seminar
8	2013	Mr. Raj Chibber	CEO	BTBP	Seminar
9	2012	Mr. K Raju	Spoken English Trainer	Australia	Spoken English Training

25. Seminars/Conferences/Workshops organized & the source of funding

a) National : NIL

b) International : NIL

26. Student profile programme /course wise:

Year	Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
				*M	*F	
2009-11	MBA	*	60	42	18	100
2010-12		*	55	37	18	100
2011-13		*	93	58	34	97.8
2012-14		*	113	69	44	In progress
2013-15		*	92	44	48	In progress

\* Admission through ICET conducted by AP Government

\* M=Male \*F=Female

27. Diversity of Students

Year of Admission	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2009-11	MBA	98.3	1.7	---
2010-12		100	---	---
2011-13		100	---	---
2012-14		100	---	---
2013-15		98.91	1.09	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

## 29. Student progression

Student progression	Against %enrolled
UG to PG	N.A
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	32%
• Other than campus recruitment	40%
Entrepreneurship/Self-employment	12%

## 30. Details of Infrastructural facilities

a) Library : Plinth Area :800 Sq.m

No. of Titles	No. of Volumes	No. of Computers	No. of E - Journals	No. of Print Journals
422	1902	35	92	06

b) Internet facilities for Staff &amp; Students

- 14 Mbps internet facility is available for both students and staff.

c) Class rooms with ICT facility : 02

d) Laboratories: NA

## 31. Number of students receiving financial assistance from college, university, Government or other agencies

Agency	2010-11	2011-12	2012-13	2013-14
College				
University				
Government	74	106	154	160
Other Agencies				

## 32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts



S.No	Title of the Programme	Special lectures /workshops/Seminar	Date (s)	No. Benefited
1	Investor Awareness	Workshop	12-10-2012	120
2	HR Skills	HR Interaction	03-02-2012	120
3	Communication skills	Special lecture	04-03-2012	120
4	Organization & Market research	Special lecture	11-03-2013	180
5	Spoken English	Special lecture	4-02-2013	180
6	Professional Ethics	workshop	09-02-2013	180
7	Entrepreneurship development	workshop	20-02-2013	90
8	Interaction with CEO	Interaction	10-06-2013	90
9	Workshop on soft skills	workshop	05-12-2013	180
10	HR Interaction	Interaction	09-11-2013	90
11	Campus to Corporate	Workshop	25-1-2014	90
12	Awareness programme on Foreign Education	Awareness programme	06-03-2014	90
13	Entrepreneurship orientation	Workshop	06-08-2014	90
14	Training Programme on HR skills	Training	13-09-2014	90
15	HR Interaction	Interaction	11-10-2014	90

### 33. Teaching methods adopted to improve student learning

- Brain Storming
- Group Discussions
- Recitation
- Case - Study
- Active Learning action affective domain.
- Role Play
- Exposure of Presentation and communication skills
- Motivating to access latest online journals, reference materials and help them to understand the emerging trends in their field of study
- Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, and technical and sports competitions.
- Organizing industry visits for showing practical implementation of theoretical study.
- 100% industry projects

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

#### a) Entrepreneurship Development Cell

S.No	Name of the Programme	Date of the Programme	Resource Person(s)	Industry
1	One day workshop on Entrepreneurship development Programme	20-02-2013	Mr Sudarshan NSIC- Hyderabad	NSIC
2	One day workshop on Entrepreneurship orientation Programme	06-08-2014	Mr R. Sudarshan	NSIC Hyderabad

### 35. SWOC analysis of the department and Future plans

#### Strengths

- 1) Well qualified Young and Dynamic faculty.
- 2) Well-equipped Class Rooms and Library.
- 3) Good academic record in the last few years.
- 4) Faculties are up-to-date with emerging teaching methods by attending workshops and seminars.
- 5) Empowering student learning with computer-based tools that enriches the knowledge of our students

#### Weaknesses

- 1) Little emphasis is given for R & D activities.
- 2) Rigorous training is needed for students from rural background to improve their communication skills.

#### Opportunities

- 1) Partnerships in support of Industry Institute interaction.

2) Growing demand for management post graduates incorporate sector.

3) Increased focus on professional education.

4) Leadership and social entrepreneurship opportunities for students

**Constraints:**

1) Lack of industries in and around institution.

2) College is situated in rural area students stratum is heterogeneous in learning.

**Future Plans:**

1) Imparting research interest in faculty and students.

2) Increase scope of Institution -public relationship.

3) To produce qualitative and industry ready professionals.

4) Providing 100% job opportunities for students

### Declaration by the Head of the Institution

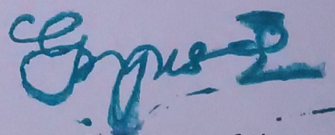
I certify that the data included in this Self – Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer time visit.

Place: *Batlapalem*

Date: *04/11/2014.*



Signature of the

Head of the Institution with Seal.



PRINCIPAL  
B.V.C. Institute of Technology & Science  
BATLAPALEM - 533 221,



All India Council for Technical Education  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

F.No. South-Central/1-2013838342/2014/EOA/Corrigendum-2

Date: 10-Jun-2014

Corrigendum

To,  
The Principal Secretary  
(Higher Education) Govt. of Andhra Pradesh,  
J Block, 4th Floor, Secretariat Building,  
Hyderabad-500022

Sub: Extension of approval for the academic year 2014-15.

Ref : Application of the Institution for Extension of Approval for the Year 2014-15

EOA Issued on	F.No. South-Central/1-2013838342/2014/EOA	04-Jun-2014
EOA Printed on	F.No. South-Central/1-2013838342/2014/EOA	04-Jun-2014
Corrigendum 1	F.No. South-Central/1-2013838342/2014/EOA/Corrigend	25-Apr-2014
Corrigendum 2	F.No. South-Central/1-2013838342/2014/EOA/Corrigend	10-Jun-2014

Sir/Madam,

In partial modification of the letter F.No. South-Central/1-2013838342/2014/EOA/Corrigendum-1 and in terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2013838342
		Permanent Id	1-3140596
Name of the Institute	BONAM VENKATACHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE	Institute Address	BATLAPALEM AMALAPURAM (MANDAL) EAST GODAVARI DISTRICT ANDHRA PRADESH 533221,BATLAPALEM,EAST GODAVARI,Andhra Pradesh,533221
Name of the Society/Trust	BONAM VENKATA CHALAMAYYA EDUCATIONAL SOCIETY	Society/Trust Address	EDARAPALLI, AMALAPURAM E.G.DT ANDHRAPRADESH,AMALPURAM,EAST GODAVARI,Andhra Pradesh,533201
Institute Type	Unaided - Private		

Opted for change from	No	Opted for change of	No	Opted for change of	No
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Application Number: 1-2013838342\*

Page 1 of 5

Note This is a Computer generated Corrigendum Letter for EoA. No signature is required.

Letter Printed On:13 August 2014

Printed By : AE235221

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Women to Co-ed		name		site	
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Application Id: 1-2013838342			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake 2013-14	Intake Approved for 2014-15	NRI	PIO
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	0	0	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD CAM	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	0	0	18	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	MECHANICAL ENGINEERING	FULL TIME	State Board of Technical Education and Training Hyderabad	0	0	60	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	CIVIL ENGINEERING	FULL TIME	State Board of Technical Education, SBTET, Andhra Pradesh	0	0	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	120	NA	NA





Application Id: 1-2013838342			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake 2013-14	Intake Approved for 2014-15	NRI	PIO
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	120	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	120	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	120	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	COMPUTER SCIENCE & ENGINEERING	FULL TIME	State Board of Technical Education and Training, Hyderabad	60	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	State Board of Technical Education and Training, Hyderabad	120	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	DIPLOMA	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	State Board of Technical Education and Training, Hyderabad	120	120	120	NA	NA



Application Id: 1-2013838342			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake 2013-14	Intake Approved for 2014-15	NRI	PIO
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	60	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Kakinada	18	18	18	NA	NA

- Validity of the course details may be verified at [www.aicte-india.org>departments>approvals](http://www.aicte-india.org>departments>approvals)

The above mentioned approval is subject to the condition that BONAM VENKATACHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.





*All India Council for Technical Education*  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001  
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-India.org](http://www.aicte-India.org)

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**(Dr. Kuncheria P. Isaac)**

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**  
All India Council for Technical Education  
First Floor, old BICARD Building  
Jawaharlal Nehru Technological University  
Masab Tank, Hyderabad-500076
2. **The Director Of Technical Education,**  
Andhra Pradesh
3. **The Principal / Director,**  
BONAM VENKATACHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE  
BATLAPALEM  
AMALAPURAM (MANDAL)  
EAST GODAVARI DISTRICT  
ANDHRA PRADESH  
533221,  
BATLAPALEM, EAST GODAVARI,  
Andhra Pradesh, 533221
4. **The Secretary / Chairman,**  
BONAM VENKATA CHALAMAYYA EDUCATIONAL SOCIETY  
EDARAPALLI,  
AMALAPURAM  
E.G.DT  
ANDHRAPRADESH,  
AMALPURAM, EAST GODAVARI,  
Andhra Pradesh, 533201
5. **Guard File(AICTE)**

## NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682



File No. 11-174/2012/NBA

Dated: 08<sup>th</sup> February, 2014

To

The Principal  
Bonam Venkata Chalamayya Institute of Technology & Science,  
P.B. No. 26, East Godavari Dist.,  
Andhra Pradesh-533201

Sub: Appeal regarding accreditation status of three UG Engineering programmes offered by Bonam Venkata Chalamayya Institute of Technology & Science, East Godavari Dist., Andhra Pradesh.

Dear Sir/Madam,

This has reference to appeal dated 18-11-2013 filed by you in response to NBA's letter of even number dated 11-10-2013 not accrediting three UG Engineering programmes offered by your College.

2. The Appeal was considered by the Appellate Committee of NBA in its meeting held on 19-12-2013. The recommendations of the Appellate Committee were considered by the Sub-Committee of General Council of NBA at its meeting held on 04<sup>th</sup> February, 2014. Based on the decision taken by the Sub-Committee, accreditation status of the programmes is given in the Table below:

Sl. No.	Name of the Programmes (UG)	Accreditation Status	Period of validity w.e.f. 04-02-2014	Remarks
(1)	(2)	(3)	(4)	(5)
1.	Electronics & Communication Engineering	Provisionally Accredited	2 years	Accreditation Status granted is valid for the period indicated in Col.4 or till the programme has the approval of the Competent Authority, whichever is earlier.
2.	Electrical & Electronics Engineering	Provisionally Accredited	2 years	
3.	Computer Science & Engineering	Provisionally Accredited	2 years	

3. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Bonam Venkata Chalamayya Institute of Technology & Science, East Godavari Dist., Andhra Pradesh as a whole. As such the College should nowhere along with its name including on its letter head etc., write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

4. The accreditation status of the above programmes is subject to change on periodic review, if needed, by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the Table in paragraph 2 above, appears on the website and information bulletin of your College.

Contd/...