

# 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



**Devineni Venkata Ramana & Dr. Hima Sekhar**

**MIC College of Technology**

(Approved by AICTE, New Delhi and affiliated to JNTUK, Kakinada)

(Accredited by NBA (B.Tech - CSE, ECE, EEE, ME))

Kanchikacherla – 521 180, Krishna District, Andhra Pradesh

Ph. No. 08678-273535/273623, Fax: 08678-273569



Devineni Venkata Ramana & Dr. Hima Sekhar  
**MIC College of Technology**

(Approved by AICTE & Affiliated to JNTU Kakinada)  
Kanchikacherla, Krishna Dist. Pin - 521 180, A.P., India.  
Phone : 08678 - 273535, 273623, Fax : 08678 - 273569  
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An ISO 9001: 2008  
Certified Institute

**The Director,**  
National Assessment and Accreditation Council,  
P. O. Box No. 1075, Nagarbhavi,  
Bangalore -560072,  
Karnataka, India

27.01.2017

Sir,

**Sub: Submission of hard copies of SSR & DD for NAAC A & A Fee – Reg.**  
**Ref: Mail regarding IEQA status on 20.01.2017 and LOI acceptance on 16.01.2017 for the Track ID APCOGN26878**

\*\*\*

Sir,

This is further to our above mentioned LOI acceptance dated 16.01.2017 and acquiring IEQA status on 20.01.2017, we enclose herewith a demand draft towards Assessment and Accreditation (A & A) fee for Rs. 345000.00 with DD No. 317293, drawn in favour of Director, NAAC. Please find enclosed herewith 5 hard copies of SSR along with soft copy for your kind perusal.

You are requested to acknowledge the receipt of SSR, DD and also inform us the dates of visit.

Enclosures:

1. Five hard copies of SSR
2. One soft copy of SSR
3. DD for Rs. 345000.00 towards A & A fee

Regards,

(Dr. Y. Sudheer Babu)



**Dr. Y. SUDHEER BABU, Ph.D, IITM**  
**PRINCIPAL**  
Devineni Venkata Ramana & Dr. Himasekhar  
MIC College of Technology  
KANCHIKACHERLA, Krishna District

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## IEQA Status of Devineni Venkata Ramana & Dr HimaSekhar MIC College of Technology



### NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

(An Autonomous Institution of the University Grants Commission)

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

### IEQA EVALUATION RESULT

| DETAILS                | RESULT   |
|------------------------|--|
| Track ID               | APCOGN26878  |
| Name Of The College    | DEVINENI VENKATA RAMANA & DR. HIMASEKHAR MIC COLLEGE OF TECHNOLOGY   |
| Address                | KANCHIKACHERLA KRISHNA DISTRICT  |
| E-Mail                 | dprao@mic.co.in  |
| IEQA Submission Date   | 20/01/2017   |
| IEQA Closing Date      | 20/01/2017   |
| IEQA Evaluation Status | <p>Congratulations ! You have earned IEQA status . Institution should submit SSR/SAR (5 hard copies and 1 soft copy) within two weeks from the date of obtaining IEQA Status.</p> <p>Please note that the SSR/RAR uploaded on your institutional website must not be password protected and accessible to public until completion of the A&amp;A process by NAAC. For further details/ instructions on procedures and timelines for processing A&amp;A applications kindly visit our website: <a href="http://www.naac.gov.in">www.naac.gov.in</a></p> <p>Note :</p> <p>a) No Separate intimation will be mailed on the above matter.</p> <p>b) Ensure submission of the SSR in the correct and applicable format. Please use the NAACs &lt;b&gt;Manual for Self Study&lt;/b&gt; applicable to your institution.</p> <p>c) The Institutions are hereby advised to upload information on &lt;b&gt;All India Survey of Higher Education&lt;/b&gt; in MHRD website (<a href="http://aishe.gov.in">http://aishe.gov.in</a>) under intimation to NAAC. At the time of submission of SSR/RAR to NAAC, institutions have to submit the documentary proof of uploading the AISHE information</p> <p>Please note that a copy of IEQA application submitted by college is to be annexed to SSR/SAR so that peer team can verify the data</p> <p>&lt;b&gt;Kindly note: SSR/SAR should be submitted by post/courier only. SSR/SAR will not be accepted by hand in NAAC office.&lt;/b&gt;</p> |

## **LOI Acceptance of Devineni Venkata Ramana & Dr HimaSekhar MIC College of Technology**

From: **NAAC** <[adm@naac.gov.in](mailto:adm@naac.gov.in)>

Date: Mon, Jan 16, 2017 at 11:34 AM

Subject: LOI status of DEVINENI VENKATA RAMANA & DR. HIMASEKHAR MIC COLLEGE OFTECHNOLOGY,VIJAYAWADA

To: [dprao@mic.co.in](mailto:dprao@mic.co.in)

Cc: [rcsouth@naac.gov.in](mailto:rcsouth@naac.gov.in)

**Dear User,**

**Institution Name :**DEVINENI VENKATA RAMANA & DR. HIMASEKHAR MIC COLLEGE OFTECHNOLOGY

**Your Institution TRACKID is :**APCOGN26878

Thank you for your interest in the Assessment and Accreditation process of NAAC.  
Your LOI is accepted for submission of SSR.

1. If your institution has submitted LOI on or before 31st July 2015 you are required to submit the SSR within **six months** from receipt of this intimation.

**Please note that you must upload the SSR/RAR on your institutional website before submitting hard copies to NAAC.**

2. If your institution has submitted LOI on or after 1st August 2015 you are required to submit the SSR within **two weeks** from receipt of this intimation.

Please note that the SSR/RAR uploaded on your institutional website must not be password protected and accessible to public until completion of the A&A process by NAAC.

For further details/ instructions on procedures and timelines for processing A&A applications kindly visit our website: [www.naac.gov.in](http://www.naac.gov.in)

**Note :**

a) No Separate intimation will be mailed on the above matter.

b) Ensure submission of the SSR in the correct and applicable format. Please use the NAACs "Manual for Self Study" applicable to your institution.

c) The Institutions are hereby advised to upload information on "All India Survey of Higher Education" in MHRD website (<http://aishe.gov.in>) under intimation to NAAC. At the time of submission of SSR/RAR to NAAC, institutions have to submit the documentary proof of uploading the AISHE information

# **PART – A**

## **Preface**

## **Preface**

An academician turned industrialist Dr. M.V.Ramana Rao in the year 2002 with a vision to bridge gap between the education institute and industry, established Devineni Venkata Ramana and Dr. HimaSekhar MIC College of Technology, popularly known as MIC. The Institute is located on NH 9 in a 30 acre campus with sylvan surroundings at Kanchikacherla, about 35 km from Vijayawada in Krishna District, Andhra Pradesh.

The college was established with three branches of engineering (ECE, CSE and EEE). Now, MIC is offering B.Tech in five branches in ECE, CSE, EEE, Mech & Civil, and M.Tech in 6 specializations besides MBA and MCA programmes. The college is affiliated to JNTUK, Kakinada. At present, MIC College has more than 3,50,000 sq.ft built up area and 4000 plus students are on the rolls in various programmes of the college.

The college has been recording a phenomenal growth in academics, infrastructure, quality, placements and research, in all these years. The college is manned by a team of 250 plus faculty with years of teaching, research, industry and administrative experience.

The institute has been accorded the NBA Accreditation for B.Tech courses in CSE, ECE, EEE & MECH for 2 years from 01.07.2016 to 30.06.2018 by National Board of Accreditation(NBA), an ultimate recognizing body in India to recognize and accredit the technical institutes that impart quality education on outcome based system. In recognition of the quality in dissemination of technical knowledge, the college has been ISO certified since 2006.

The college has been ranked AA+ by “Careers 360” magazine among the private engineering colleges in A.P in 2013. The college has also been ranked A grade by Government of Andhra Pradesh in the year 2015.

The application to the National Assessment and Accreditation Council for the accord of accreditation status is now being made.



# **PART – B**

## **Executive Summary & SWOC Analysis**

### Executive Summary

|                          |   |   |
|--------------------------|---|---|
| Name of the College      | : | Devineni Venkata Ramana & Dr. Hima Sekhar MIC<br>College of Technology  |
| Year of Establishment    | : | 2002  |
| Location                 | : | Kanchikacherla , Krishna District, Andhra Pradesh –<br>521 180.   |
| Name of the Society      | : | Devineni Ramana & Pranita Memorial Trust  |
| Accreditations & Ratings | : | Approved by AICTE, New Delhi<br>Affiliated to JNTUK, Kakinada<br>Accredited by NBA (CSE/ECE/EEE/Mech)<br>An ISO 9001 : 2008 Certified Institution<br>Rated AA+ by Careers 360 <sup>0</sup><br>Rated A grade by APSCHE |

### College Management:

|                       |                                    |
|-----------------------|------------------------------------|
| Dr. M. V. Ramana Rao  | Chairman                           |
| Mr. N. Srinivasa Rao  | Vice Chairman                      |
| Mr. M. Srinivasa Rao  | Director-Planning &<br>Development |
| Mr. D. Panduranga Rao | CEO                                |
| Dr. Y. Sudheer Babu   | Principal                          |

### About the College:

An academician turned industrialist Dr. M.V.Ramana Rao in the year 2002 with a vision to bridge gap between the educational institute and industry, established Devineni Venkata Ramana and Dr. HimaSekhar MIC College of Technology, popularly known as MIC. The Institute is located on NH 9 in a 30 acre campus with sylvan surroundings at Kanchikacherla, about 35 km from Vijayawada in Krishna District, Andhra Pradesh. The College is offering B.Tech in five branches in ECE, CSE, EEE, Mech & Civil and M.Tech in 6 specializations besides MBA and MCA programmes. All these programs are approved by AICTE and the college is affiliated to JNTU Kakinada.

**Admission Procedures:*****B.Tech Admissions***

70% Seats are filled under Category-A by Andhra Pradesh State Council for Higher Education based on state level entrance test called – EAMCET. Balance 30% seats are filled under Category – B, directly by the college as per the guidelines of Andhra Pradesh State Council for Higher Education.

***M.Tech Admissions***

70% Seats are filled under Category-A by Andhra Pradesh State Council for Higher Education based on ranks obtained in GATE / a state level entrance test called – PGECET Balance 30% seats are filled under Category -B, directly by the college as per the guidelines of Andhra Pradesh State Council for Higher Education.

***MBA / MCA Admissions***

70% Seats are filled under Category-A by Andhra Pradesh State Council for Higher Education based on state level entrance test called – ICET Balance 30% seats are filled under Category -B, directly by the college as per the guidelines of Andhra Pradesh State Council for Higher Education.

***Present Intake:***

| Course/Branch | Intake of Students |               |     |
|---------------|--------------------|---------------|-----|
|               | B.Tech             | PG            |     |
| CSE           | 180                | M.Tech(CSE)   | 18  |
| ECE           | 180                | M.Tech(VLSI)  | 24  |
|               |                    | M.Tech(DECS)  | 18  |
| EEE           | 120                | M.Tech(PE)    | 18  |
|               |                    | M.Tech(PE&ED) | 24  |
| Mech          | 180                | M.Tech(MD)    | 18  |
| Civil         | 120                | ---           | --- |
| ---           | ---                | MCA           | 60  |
| ---           | ---                | MBA           | 120 |

**Teaching – Learning & Evaluation**

The Institute strives to achieve excellence in teaching and learning by recruiting well qualified and dedicated teaching faculty and also maintains an unmatched retention ratio. Meticulous planning for teaching in the beginning of every semester paves the way for efficient teaching environment. The college has a fine amalgam of renowned as well as young and dynamic

personalities as faculty playing their role in providing quality education to the students. The college has 23 Doctorates, no. of faculty pursuing their Ph.D and other faculty with M.Tech qualification having years of experience in academics and Industry.

***Faculty Details:***

|   |      |
|---|------|
| Total Number of Faculty                   | 267  |
| Faculty with Ph.D                         | 22   |
| Faculty with M.Phil                       | 8    |
| Faculty with PG                           | 222  |
| Faculty with B.Tech                       | 15   |
| Professors                                | 17   |
| Associate Professors                      | 34   |
| Assistant Professors                      | 216  |
| Faculty Student Ratio                     | 1:15 |
| Faculty with more than 8 years of service | 110  |
| Faculty with more than 3 years of service | 92   |

Subjects prescribed in regulations of JNTUK, Kakinada from time to time are allocated to the faculty based on their competencies and areas of expertise and specialization. Subjects are allocated well in advance and lesson plan and tutorial questions are prepared well ahead and distributed to the students. The syllabus coverage is monitored centrally and department-wise before the commencement of mid examinations. Discrepancies in syllabus coverage, if any, are brought to the notice of the principal by the Heads of various departments. The Institute continuously uses innovative methods of teaching, learning and evaluation process. In teaching it adopts a student centric approach to achieve the desired learning outcomes. Interactive learning techniques like seminars, tutorials, video lectures and programming contests, major and mini projects enrich the teaching learning experience. Apart from the JNTUK prescribed syllabus, special coaching is given on communication skills and aptitude to prepare the students for competitive examinations and placements. Teachers prepare Course Files that include lesson plans, lecture notes, teaching methodology, objectives and outcomes, a record of classroom interaction and comprehensive performance of the students.

### Research and Development:

The College has a rich tradition of teaching and research and is widely recognized to be a pioneer in Engineering education. The research interests of the faculty members encompass a wide gamut of sub-disciplines of various Engineering streams. Faculty and students are encouraged to publish research papers, attend conferences, workshops, etc. The lab equipment and the infrastructure are regularly upgraded and are well supported to meet the requirements of industry. Computer labs with high end systems are provided with high speed broadband internet, intranet and different simulation softwares. The Central and department library is open for both students and Staff with large number books and Journals. The Institute organizes guest lectures, workshops and industrial tours for the benefit of students very frequently.

Department of ECE has received a grant of Rs. 18.3 Lakhs from DST, Govt. of India to carry a research project on "Genetic optimized PC Based Fuzzy Logic Control of DC Servo Motor". Recognizing the importance of Research & development in Technical education, the institution encourages all the faculty members and in this regard a majority of them are pursuing their research studies and few of them are awaiting for Ph.D via-voce examination. Around 120+ number of papers were presented / published in H' index International and National Journals by the faculties in the Academic Year 2012–13.

Students are encouraged to prepare and exhibit their inherent skills through innovative working models and paper presentation contest through Engineers Day celebrations and AAGAMA, a National Level event organized by the Institution every year.

### Computational Facilities:

No. of Computers available at a time for conducting automated test (Single LAN) : 550

|                                 |  |
|---------------------------------|--|
| Internet connection (Bandwidth) | : 70 + 20 Mbps                             |
| Computers                       | : 1150 connected in LAN                    |
| Printers                        | : 60                                       |
| UPS                             | : 250KVA                                   |
| Generators                      | : 3 No's (1–200 KVA, 1-125 KVA and 63 KVA) |

**Library:**

The college library is located in the main building in first and second floors with duplex arrangement and with adequate space as per norms of AICTE.

|   |                   |
|---|-------------------|
| Carpet area of library (in m <sup>2</sup> )                                       | 1080 sq.mts       |
| Reading space (in m <sup>2</sup> )  | 600               |
| Number of seats in reading space  | 345               |
| Number of Titles  | 9360              |
| Number of Volumes   | 46834             |
| No. of Journals   | 679(111+568)      |
| Number of users (issue book) per day  | More than 155     |
| Number of users (reading space) per day   | More than 285     |
| Timings: During working day, weekend, and vacation                                | 9.00 am to 6.00pm |
| Number of library staff   | 7                 |
| Number of library staff with degree in Library Management                         | 3                 |
| Computerization for Search, indexing, Issue/Return Records Bar coding used        | Yes               |
| Library services on Internet/Intranet INDEST or other similar Membership Archives | Yes               |

50 dedicated computers with multimedia and internet facility is available in the library. Library is provided with a Central Media Server connected to college LAN, which can be accessed from the departments and class rooms also. All the digital learning materials are stored in the server. The server is having the following NPTEL specifications:

- Dual Processor Support
- 8GB of RAM, scalable to 32GB
- 3TB of SAN storage, scalable to 6TB
- Hardware RAID
- Gigabyte Network Connectivity
- Server is connected to more than 100 systems of various departments.
- The Library is member of DELNET and provides web access to 72,49,156 records of books,





periodicals, thesis and dissertations with vocational data and document delivery facility at the national level to the students and faculty. It is connected to 1329 libraries in India and other countries.

**Digital Learning e- Material:**

- 6 000 hours of NPTEL video lectures by IIT teachers on 200 subjects
- 129 NPTEL web based courses by IITs
- 500 hours of CD/Video courses on 25 Engineering subjects by SONET
- 200 hours of INDO-US lectures
- 300 hours of Stanford University lectures
- 100 hours of Harvard University lectures
- 6000 e-books through digital servers

**Training & Placement**

An exclusive T & P Cell is established to create awareness among students towards “Industry Ready Skills”, provides structural support to the corporate for scheduling interviews, hosting seminars, group discussions and written tests. A special corporate training program is conducted for final year students in resume building, group discussions, general knowledge, current affairs, etc.

Mock interviews are conducted by inviting HR Heads and Technical Experts from well-known companies. For exposure to real-world work culture, short industrial tours to neighboring companies and extended visits to distant industries / organizations of national and international repute are conducted each year.

Regular training classes are conducted, on campus, at the Digital English Language Lab to improve the communication skills of students. With a focus on Campus Recruitment, special training classes are conducted in association with professional training institutes and specialists in personality development, etiquette, grooming etc.

On campus training for competitive exams like GRE, GATE, CAT, etc is also offered. In order to bridge the gap between the university curriculum and industry needs, the college offers various short-term training programs. These programs include CAD / CAM, J2JEE, VLSI & Embedded systems. Seminars and workshops are conducted on entrepreneurship development.

**Student Counseling / Mentoring:**

Education through counseling has become an essential requirement of current learning process.

- Head of the department discusses with new faculty about the manner in which they have to counsel the students.
- Finishing School Program (FSP) a continuous training program to inculcate morals and ethics as part of counseling.

***Student Counseling:***

Values among students can be inculcated by making the students being active in nature. Student-Teacher interaction leads to an essence of inducing values to a student and being more responsible of the self. This is a critical section of the value-based educational environment. In view of this, college follows a counseling procedure along with the regular academic work.

***General Counseling and Mentoring:***

During the first year of their study into various courses, students are attached to a faculty for counseling. Each faculty of the class is assigned 15 students for continuous tracking of the activities of their respective students primarily. These mentoring faculty take care of the student's personal problems or nature of living beyond the college hours, their previous status of educational and other qualifications, current study regularity, marks, communication, participation in other activities, area of interest etc. Mentors fill up the counseling forms and are shown to parents when they visit the college.

***Behavioral Counseling:***

The college invites experts in the field and arranges guest lectures and orientation programmes to offer training in several aspects related to well-organized human behavior. Various Personality Development Programmes are conducted by inviting eminent resource persons. Especially, the first year and second year students are given importance to be the target group, and career guidance programs are organized for the third year and final year student.

**Entrepreneur Development Cell:**

Established in 2011 as MIC Business Incubation Center(MICBIC), which encourages the students to understand various ways and means to become ENTERPRENEURS, giving a right blend of Technology with Management practices. The college has also established Entrepreneurship Development Cell (EDC). The objectives of the cell are as follows:

- Developing entrepreneurial spirit, characteristics and personality among students.

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

#### **Alumni Association:**

Each department seeks the opinion / suggestions of alumni on various developmental activities by sending mails to them and requesting them to fill the survey forms supplied in this regard. Alumni meeting is held every year in the college campus.

#### **NSS Activities:**

To encourage students in serving the nation and society, the nearby village Perakalapadu is adopted and special camps are conducted. Students in large number actively participate under the guidance of Dr. G. Rajesh, NSS programme officer. Following are the objectives of the NSS program:

- Development of student personality through community service.
- To enable the students understand the strengths and weakness of the society.
- To develop a sense of social and civic responsibility among students.
- To apply their education in finding practical solution to individual and community problems.
- To motivate the students in acquiring leadership qualities.
- To develop capability to meet emergencies during National disasters.
- To inculcate the importance of National integration.

#### **Institute SWOC Analysis:**

##### **Strengths:**

- Institute has qualified, experienced and committed Faculty
- Excellent Infrastructural Facilities
- Digital library with video lectures
- Finishing school program classes for overall development
- High faculty retention ratio
- Involvement of students in NSS activities

##### **Weaknesses:**

- Students, being from rural area, are poor in their English communication

- Funded projects and seminar grants are less in number
- Inadequate placements in core companies

**Opportunities for strengthening the Institute:**

- Scope to enhance and strengthen internal and external collaborations with respect to industry institute Interaction and alumni.
- Encourage entrepreneurship to promote Start ups
- More Scope for consultancy

**Opportunities for Students:**

- GATE qualified students are eligible for PSUs
- Recruitment in A.P electricity board, Railways, UPSC, APPSC, prestigious projects like metro rail, capital city construction of A.P

**Challenges:**

- Meeting the current Industry needs without compromising fundamentals
- Poor quality of intake.
- Competition from other institutions

## **PART – C**

# **Profile of the Institute**

## Profile of the Affiliated / Constituent College

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

**Name :** Devineni Venkata Ramana & Dr. Hima Sekhar  
**MIC College of Technology**  
**Address :** Kanchikacherla  
**City :** Vijayawada **Pincode :** 521180  
**District :** Krishna **State :** Andhra Pradesh  
**Website :** www.mictech.ac.in

### 2. For communication :

| Designation                     | Name              | Telephone with STD code | Mobile     | Fax          | Email                |
|---------------------------------|-------------------|-------------------------|------------|--------------|----------------------|
| Principal                       | Dr.Y.Sudheer Babu | O:08678-27353           | 9618161818 | 08678-273569 | principal@mic.co.in  |
| Vice Principal                  |                   |                         |            |              |                      |
| Steering Committee Co-ordinator | Dr.T.Vamsee Kiran | O: 08678-273535         | 9885171411 | 08678-273569 | hodeee@mictech.ac.in |

### 3. Status of the Institution:

Affiliated College

Constituent College Any

other (specify)

|   |
|---|
| ✓ |
|   |
|   |

### 4. Type of Institution:

#### a. By Gender

i. For Men

ii. For Women

iii. Co-education

|   |
|---|
|   |
|   |
| ✓ |

#### b. By Shift

i. Regular

ii. Day

iii. Evening

|   |
|---|
| ✓ |
|   |
|   |

### 5. It is a recognized minority institution ?

Yes

No

|   |
|---|
|   |
| ✓ |

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

Not Applicable



**6. Sources of funding:**

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

7. a. Date of establishment of the college: 27/05/2002 (dd/mm/yyyy)  
b. University to which the college is affiliated /or which governs the college (If it is a constituent college) JNTUK, Kakinada  
c. Details of UGC recognition:

| Under Section | Date, Month & Year<br>(dd-mm-yyyy)          | Remarks(If any) |
|---------------|---|-----------------|
| i. 2 (f)      | Applied and waiting for Getting Recognition | -               |
| ii. 12 (B)    | Applied and waiting for Getting Recognition | -               |

(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/<br>clause | Recognition/Approval<br>details<br>Institution/Department<br>Programme | Day, Month<br>and Year<br>(dd-mm-yyyy) | Validity | Remarks |
|--------------------------|--|--|----------|---------|
| (2002-2003)              | AICTE  | 27/05/2002                             | 1 Year   | -       |
| (2003-2005)              | AICTE  | 30/04/2003                             | 2 Years  | -       |
| (2004-2005)              | AICTE - (MCA)  | 26/06/2004                             | 1 Year   | -       |
| (2005-2006)              | AICTE  | 09/06/2005                             | 1 Year   | -       |
| (2006-2007)              | AICTE  | 28/06/2006                             | 1 Year   | -       |
| (2007-2008)              | AICTE  | 21/06/2007                             | 1 Year   | -       |
| (2007-2008)              | AICTE - (MBA)  | 30/07/2007                             | 1 Year   | -       |
| (2008-2009)              | AICTE  | 02/05/2008                             | 1 Year   | -       |
| (2009-2010)              | AICTE  | 30/06/2009                             | 1 Year   | -       |
| (2010-2011)              | AICTE  | 23/08/2010                             | 1 Year   | -       |
| (2011-2012)              | AICTE  | 01/09/2011                             | 1 Year   | -       |
| (2012-2013)              | AICTE  | 10/05/2012                             | 1 Year   | -       |
| (2013-2014)              | AICTE  | 19/03/2013                             | 1 Year   | -       |
| (2014-2015)              | AICTE  | 31/10/2014                             | 1 Year   | -       |
| (2015-2016)              | AICTE  | 07/04/2015                             | 1 Year   | -       |
| (2016-2017)              | AICTE  | 25/04/2016                             | 1 Year   | -       |

(Enclose the recognition/approval letter) - **Recent Approval Letter Enclosed (2016-2017)**

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

Yes ☒

No ☐

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

Yes ☐

No ☒

**9. Is the college recognized**

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

Yes ☐

No ☒

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

b. for its performance by any other governmental agency?

Yes ☐

No ☒

If yes, Name of the agency ..... and

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

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

| Location *                | RURAL          |
|---------------------------|----------------|
| Campus area in acres      | 29.54 acres    |
| Built up area in sq. mts. | 35,000 sq.mts. |

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

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

- Auditorium/seminar complex with infrastructural facilities:

\* Auditorium Seating – 512

\* Seminar Halls – 4 no's – Seating 154 each

- Sports facilities

\* play ground ☒

\* swimming pool ☐

\* gymnasium ☒

- Hostel

- \* Boys' hostel ✓

- i. Number of hostels 2

- ii. Number of inmates 100

- iii. Facilities (mention available facilities) : All the Facilities

Spacious rooms with common bathrooms, Table, Chair, Bed & Fan. Common Room with facilities like TV and Reading Room with facilities of News Papers, Magazines.

- \* Girls' hostel ✓

- i. Number of hostels 1

- ii. Number of inmates 180

- iii. Facilities (mention available facilities) : All the Facilities

Spacious rooms with common bathrooms, Table, Chair, Bed & Fan. Common Room with facilities like TV and Reading Room with facilities of News Papers, Magazines.

- \* Working women's hostel NIL

- i. Number of inmates

- ii. Facilities (mention available facilities)

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

- Cafeteria — ✓ ( 1 No)

- Health centre — ✓ ( 1 No)

First aid, Inpatient, Outpatient, Emergency care facility (✓), Ambulance (Yes)

Health centre staff –

Qualified doctor Full time ☐ Part-time ☒

Qualified Nurse Full time ☒ Part-time ☐

- Facilities like banking, post office NIL

- book shops ✓ (Stationary Store)

- Transport facilities to cater to the needs of students and staff ✓ ( 45 No. of Buses)

- Animal house NIL

- Biological waste disposal ✓

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

(200/125/63KVA – 3 No. of Generators)

(100 KWP Solar Plant is also Planned for Installation)

- Solid waste management facility                      ×
- Waste watermanagement                                ✓
- Water harvesting    ✓

**12. Details of programmes offered by the college (Give data for current academic year 2016-2017)**

| S.No | Programme Level                         | Name of the Programme/ Course | Duration          | Entry Qualification    | Medium of instruction | Sanctioned / approved Student strength | No. of Students admitted |
|------|---|-------------------------------|-------------------|------------------------|-----------------------|--|--------------------------|
| 1    | Under-Graduate                          | B.Tech.                       | 4 Years / 3 Years | Intermediate / Diploma | English               | 780                                    | 577                      |
| 2    | Post-Graduate                           | M.Tech.                       | 2 Years           | B.Tech.                | English               | 120                                    | 17                       |
|      |   | MBA                           | 2 Years           | Degree                 | English               | 180                                    | 113                      |
|      |   | MCA                           | 2 Years           | Degree                 | English               | 60                                     | 20                       |
| 3    | Integrated Programmes PG                | -                             | -                 | -                      | -                     | -                                      | -                        |
| 4    | Ph.D.                                   | -                             | -                 | -                      | -                     | -                                      | -                        |
| 5    | M.Phil.                                 | -                             | -                 | -                      | -                     | -                                      | -                        |
| 6    | Ph.D                                    | -                             | -                 | -                      | -                     | -                                      | -                        |
| 7    | Certificate courses                     | -                             | -                 | -                      | -                     | -                                      | -                        |
| 8    | UG Diploma                              | -                             | -                 | -                      | -                     | -                                      | -                        |
| 9    | PG Diploma                              | -                             | -                 | -                      | -                     | -                                      | -                        |
| 10   | Any Other (specify and provide details) | Diploma DEEE, DECE, DME, DCE  | 3 Years           | X Standard             | English               | 240                                    | 240                      |

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

**Programmes?** Yes ☒ No ☐

If yes, how many?

Four

(B.Tech/M.Tech/Diploma/PG)

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

|     |   |    |  |        |   |
|-----|---|----|--|--------|---|
| Yes | ✓ | No |  | Number | 1(UG) – B.Tech in Civil<br>2(PG) – M.Tech in EEE<br>& ECE |
|-----|---|----|--|--------|---|

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

| Faculty                                   | Departments<br>(eg. Physics, Botany, History etc.) | UG              | PG                              | Diploma | Research |
|---|--|-----------------|---------------------------------|---------|----------|
| Science                                   | -  | -               | -                               | -       | -        |
| Arts                                      | -  | -               | -                               | -       | -        |
| Commerce                                  | -  | -               | -                               | -       | -        |
| Any Other<br>(Engineering<br>&Technology) | Civil Engineering                                  | B.Tech<br>(CE)  |                                 | DCE     |          |
|   | Electrical & Electronics<br>Engineering            | B.Tech<br>(EEE) | M.Tech<br>1. PE<br>2. PE&ED     | DEEE    |          |
|   | Mechanical Engineering                             | B.Tech<br>(ME)  | M.Tech<br>MD                    | DME     |          |
|   | Electronics and<br>Communication<br>Engineering    | B.Tech<br>(ECE) | M.Tech<br>1. DECS<br>2. VLSI&ES | DECE    |          |
|   | Computer Science and<br>Engineering                | B.Tech<br>(CSE) | M.Tech<br>CSE                   |         |          |
| Post Graduate<br>Courses                  | Master of Business<br>Administration - MBA         | ----            | MBA                             |         |          |
|   | Master of Computer<br>Applications - MCA           | ----            | MCA                             |         |          |

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

- a. annual system
- b. semester system 5
- c. trimester system

**17. Number of Programmes with**

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach



c. Any other ( specify and provide details)

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

Yes ☐

No ☒

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 Teacher Education Programme separately?

Yes ☐

No ☒

**19. 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 ☐

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

| Positions | Teaching faculty |    |                     |    |                     |    | Non-Teaching Staff |    | Technical Staff |    |
|-----------|------------------|----|---------------------|----|---------------------|----|--------------------|----|-----------------|----|
|           | Professor        |    | Associate Professor |    | Assistant Professor |    |                    |    |                 |    |
|           | *M               | *F | *M                  | *F | *M                  | *F | *M                 | *F | *M              | *F |

|  |    |   |    |   |     |    |     |    |    |   |
|--|----|---|----|---|-----|----|-----|----|----|---|
| Sanctioned by the UGC / University / State Government<br><i>Recruited</i>            | -  | - | -  | - | -   | -  | -   | -  | -  | - |
| <i>Yet to recruit</i>  | -  | - | -  | - | -   | -  | -   | -  | -  | - |
| Sanctioned by the Management/ society or other authorized bodies<br><i>Recruited</i> | 14 | 3 | 26 | 8 | 120 | 96 | 112 | 36 | 36 | 3 |
| <i>Yet to recruit</i>  |    |   |    |   |     |    |     |    |    |   |

\*M-Male \*F-Female

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

| Highest Qualification | Professor |        | Associate Professor |        | Assistant Professor |        | Total |
|-----------------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
|                       | Male      | Female | Male                | Female | Male                | Female |       |
| Permanent teachers    |           |        |                     |        |                     |        | 267   |
| D.Sc./D.Litt.         | -         | -      | -                   | -      | -                   | -      | -     |
| Ph.D.                 | 13        | 3      | 5                   | 1      | -                   | -      | 22    |
| M.Phil.               | -         | -      | 1                   | 1      | 4                   | 2      | 8     |
| PG                    | 1         | -      | 20                  | 6      | 108                 | 87     | 222   |
| Temporary teachers    |           |        |                     |        |                     |        | 15    |
| Ph.D.                 | -         | -      | -                   | -      | -                   | -      | -     |
| M.Phil.               | -         | -      | -                   | -      | -                   | -      | -     |
| PG                    | -         | -      | -                   | -      | -                   | -      | -     |
| Part-time teachers    | NIL       |        |                     |        |                     |        | -     |
| Ph.D.                 | -         | -      | -                   | -      | -                   | -      | -     |
| M.Phil.               | -         | -      | -                   | -      | -                   | -      | -     |
| PG                    | -         | -      | -                   | -      | -                   | -      | -     |

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

-

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

| Categories | Year 1 (2012-13) |        | Year 2 (2013-14) |        | Year 3 (2014-15) |        | Year 4 (2015-16) |        |
|------------|------------------|--------|------------------|--------|------------------|--------|------------------|--------|
|            | Male             | Female | Male             | Female | Male             | Female | Male             | Female |
| SC         | 100              | 32     | 138              | 38     | 141              | 36     | 172              | 60     |
| ST         | 06               | 01     | 14               | 04     | 10               | 03     | 13               | 05     |

|         |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| OBC     | 225 | 81  | 309 | 88  | 342 | 122 | 352 | 122 |
| General | 241 | 173 | 309 | 214 | 367 | 249 | 296 | 194 |
| Others  | -   | -   | -   | -   | -   | -   | -   | -   |

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

| Type of students  | UG         | PG         | M. Phil. | Ph.D.    | Total      |
|---|------------|------------|----------|----------|------------|
| Students from the same state where the college is located | 570        | 151        | -        | -        | 721        |
| Students from other states of India                       | 07         | -          | -        | -        | 07         |
| NRI students  | -          | -          | -        | -        | -          |
| Foreign students  | -          | -          | -        | -        | -          |
| <b>Total</b>  | <b>577</b> | <b>151</b> | <b>-</b> | <b>-</b> | <b>728</b> |

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

UG  PG

**26. Unit Cost of Education**

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

(a) Including the salary component

(b) Excluding the salary component

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

Yes  No ☒

If yes, -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**

| Program       | Course  | Teacher – Student Ratio |
|---------------|---|-------------------------|
| <b>B.Tech</b> | Civil Engineering                             | 1:15                    |
|               | Electrical & Electronics Engineering          | 1:15                    |
|               | Mechanical Engineering                        | 1:15                    |
|               | Electronics and Communication Engineering     | 1:15                    |
|               | Computer Science and Engineering              | 1:15                    |
| <b>MBA</b>    | Master of Business Administration - MBA       | 1:15                    |
| <b>MCA</b>    | Master of Computer Applications - MCA         | 1:15                    |
| <b>M.Tech</b> | Power Electronics                             | 1:12                    |
|               | Power Electronics and Drives                  | 1:12                    |
|               | Machine Design                                | 1:12                    |
|               | Digital Electronics and Communication Systems | 1:12                    |
|               | VLSI and Embedded Systems                     | 1:12                    |
|               | Computer Science and Engineering              | 1:12                    |

**29. Is the college applying for**Accreditation : Cycle 1 ☒**30. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) - NA**

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

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

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

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

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

271

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

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

178

33. **Date of establishment of Internal Quality Assurance Cell**

(IQAC) IQAC – 15/06/2016 (dd/mm/yyyy)

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

AQAR (i) NA

AQAR (ii) NA

AQAR (iii) NA

AQAR (iv) NA

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

# **CRITERION-I**



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## 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

##### **Institute Vision**

To nurture excellence in the field of Engineering by imparting quality technical education, inculcating core values with skills, knowledge and behavior to the learners, promoting research, collaborative activities and technical services with global competence to the societal requirements.

##### **Institute Mission**

- To provide state of the art infrastructure and instruction preparing the students professionally deft and intellectually adept.
- To provide the qualified and experienced teaching faculty to mould the learners to compete in contemporary technical world.
- To provide socio-ethical exposure and holistic attitude in preparing responsible and informed citizens to build the nation.
- To provide international standards in conducting research, collaborative activities offering technical services by cutting edge technologies to meet the current and future challenges of technological developments.

##### **Objectives of Institute**

- To make graduates capable of acquiring technical knowledge in core areas of their engineering along with engineering mathematics, sciences and make them globally competent in designing, modeling and critical problem solving.
- To bring in holistic growth of the graduates by arranging guest lectures by eminent persons, industrial visits, conducting workshops & seminars, inculcating managerial skills, good communication skills, and socio-ethical values.
- To progress in employment or higher education and be able to work in supportive and leadership roles.
- To promote research activities through lifelong learning and provide solutions to engineering problems for sustainable development of society.
- To mould students with moral and ethical values and fulfill their responsibility to the society and nation.

## Communication to Stakeholders

The Governing Body, College Management Committee and College Academic Committee are three important bodies of the institution. Frequent meetings are held to plan programmes and discuss key issues in tune with the vision and mission of the institution. Decisions 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 procedure is followed to communicate the vision, mission and objectives of the college to the stakeholders:

- The mission, vision and objectives 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 and mission statement of the college is 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 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.

**Table 1.1 (a) Contents of course file**

| S.No | ITEM                                      |
|------|---|
| 1    | Vision, Mission, PEOs, POs of the program |
| 2    | Course syllabus and objectives            |
| 3    | Course contribution to POs                |
| 4    | Class Time Table                          |
| 5    | Lesson plan                               |
| 6    | Tutorial sheets                           |

|    |  |
|----|--|
| 7  | Lecture notes/material   |
| 8  | Question bank  |
| 9  | Attendance Registers   |
| 10 | Internal examination question papers with scheme of evaluation |
| 11 | External exams question papers                                 |
| 12 | Methodology adopted for assessment of Cos and POs              |
| 13 | Result Analysis  |
| 14 | Attainment of COs  |
| 15 | Attainment of POs mapped with the course                       |

- 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 by arranging workshops, seminars, industrial visits apart from regular/traditional teaching methods. Faculty is 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 being conducted are as per the academic calendar or not.

### 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?

- Faculty is sponsored to participate in the Faculty Development Programmes (FDP) along with technical seminars, workshops & symposia and get updated in emerging trends.
- Academic leave is granted to all those faculty attending workshops/seminars and the college also bears the expenditures incurred towards registration fee, traveling and boarding.

- Junior faculty is encouraged to present seminars in front of the senior faculty of the college to overcome the difficulties in lecture session and to improve the teaching skills.
- LCD projector, Over Head Projector (OHP) and smart class rooms are provided to the faculty to deliver effective lectures with practical examples and applications through pictures and technical videos (NPTEL and Online Lectures etc.).
- Faculty members are motivated to learn new teaching tools for upgrading the students' practical overview by means of animated explanation for application involved in subjects.
- Internal Quality Assurance Cell (IQAC) has been formed to improve the quality of staff members in their teaching and technical knowledge. The University conducts workshops to the faculty of affiliated colleges, whenever it introduces new curriculum.
- 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.
- 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 are procured for the library and are made available in the central and department libraries for the use of faculty.
- The Institute subscribes to various online resources like IEEE Xplore, ASME & ASET, ASCE Digital Library and DELNET. Faculty are encouraged to use these online resources along with NPTEL videos, and other software and simulation tools for a creative and continuous teaching-learning environment.

**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.**

- Laboratory facilities are developed as per Jawaharlal Nehru Technological University, Kakinada norms and additional equipments are made available to do additional experiments.
- Remedial classes are conducted to make slow learners to understand the subject and catch up with fellow students.
- Emerging technologies are imprinted on students through guest lectures.

- LCD projector and OHP are available for effective delivery of lectures.
- Apart from the curriculum, additional topics which fulfill the industry requirements are covered by the faculty.
- Value added courses are arranged.
- Separate book bank is available for SC/ST and economically weaker students.
- Wi-Fi connections are available throughout the campus including hostel for easy surfing of subject related seminars, conference and other technical notes.
- Uninterrupted power supply is ensured through AP Discom & Generator (200 / 125 / 56 KVA) and also UPS are made available during college working hours.
- Required committees are formed to perform all the above activities to create a better ambience and learning environment for the 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?

- Department Advisory Committees consisting of head of the department, programme coordinators, and the representatives of key stake holders identify the curricular gaps with respect to the industrial requirements. Department Advisory Committee meets at least once in a year to review the programmes.
- The institute motivates the students to participate in industry oriented workshops, symposia, conferences and seminars to gain knowledge apart from the curriculum.
- Our college has Memorandum of Understandings (MOU) with many industries. The curriculum gaps are being identified by checking the existing curriculum with the industry requirements.

**Table 1.1 (b) List of MoUs**

| Department                           | Organization/Industry                           | Nature of collaboration   |
|--------------------------------------|---|---|
| Electrical & Electronics Engineering | GS Electricals                                  | For providing internships to the students, arranging industrial visits, project works, organizing workshops and research related activities                         |
|                                      | Sudhakar Polymers Limited                       |   |
|                                      | Panda Inverters                                 |   |
|                                      | MIC Electronics                                 |   |
|                                      | Technology Entrepreneurship Programme (TEP-ISB) | Entrepreneurship development  |
| Mechanical Engineering               | JP Industries, Vijayawada                       | For providing internships to the students, industrial visits, project works, research and faculty training the MOU has been signed between MIC and these industries |
|                                      | Keshav Ramta Labs, Vijayawada                   |   |
|                                      | CADD Experts, Vijayawada                        |   |
|                                      | Padmavathi Engineering Works, Vijayawada        |   |
|                                      | RKS Engineers, Vijayawada                       |   |
|                                      | Kristna Engineering Works, Vijayawada           |   |

|   |   |  |
|---|---|--|
|   | RKS Engineers, Vijayawada                                   |  |
|   | G S Alloy Castings Limited, Vijayawada                      |  |
|   | Prakasa Spectro Cast (P) Ltd, Vijayawada                    |  |
|   | Sudhakar Polymers Limited, Suryapet                         |  |
|   | Sri Venkateswara Engineerings, Vijayawada                   |  |
|   | Lokesh Foundries Pvt.Ltd, Vijayawada                        |  |
|   | Prathap Industries, Vijayawada                              |  |
|   | Vasantha Hydraulic Systems, Hyderabad                       |  |
|   | GS Electricals, Vijayawada                                  |  |
|   | Harsha Liners Pvt, Ltd                                      |  |
| Electronics & Communication Engineering | Perfect Electronic Systems                                  | Training and Industrial visits   |
|   | MIC Electronics   | To Impart Training and Industrial visits on LED technologies and Embedded Systems  |
|   | South Central Railway, Vijayawada                           | To do Live Projects, Training and Industrial Visits  |
|   | Microlink Peripheral Controls                               | To conduct seminars, joint guidance of student projects ,training and Industrial visits                                  |
|   | BSNL, vijayawada  | To organize workshops, Training and Industrial visits  |
| Computer Science & Engineering          | Andhra Pradesh State Skill Development Corporation (APSSDC) | Apps Development & Training  |
|   | Technology Entrepreneurship Programme (TEP- ISB)            | Entrepreneurship development   |
|   | WEVIO -INDIA  | Providing workshops, seminars on latest technologies   |
|   | e-World   | Providing Internships to students for developing railway related projects at South Central Railway, Vijayawada Division. |
|   | The UX Group  | Organize workshops and seminars on real time technologies  |
|   | TEKTRACKS Software Private Limited                          | Providing seminars , workshops on app developments and carrier development etc.,   |
|   | STEP  | Certification Programs organized and designed by IIIT(H)   |

- Industrial visits are organized by the institute for imparting practical knowledge to the students.
- Various guest lectures are organized in the departments by inviting experts from industries.
- Alumni feedback helps in curriculum design to meet recent trends in engineering. They recollect their presence during their program study and advise the institute with necessary inputs in point of student career.
- Experts from industries are included as members of the governing body of the College.

- 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 also conducts review meetings on the latest curriculum and passes on the suggestions/comments (if any) to the University for necessary modifications.
- The college encourages its faculty and students to become members of various professional bodies such as ISTE, IETE, IE(I), IEEE etc., and organizes workshops in association with these bodies.

**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).**

- As an affiliated Institute, the curriculum designed and prescribed by the University JNTUK, Kakinada has to be followed. Nevertheless the institute collects feedback from the students, faculty and other stake holders regarding curriculum/syllabi of the affiliating university. These suggestions will be conveyed to JNTUK Kakinada for consideration in its Board of Studies meetings.
- The college has a practice of conducting additional lab experiments apart from the prescribed experiments in the syllabus. Curricular gaps are identified and content beyond the syllabus is delivered to enrich the student's basic knowledge.

**Table 1.1 (c) Faculty involved to review e-learning content of JNTUK, Kakinada**

| Department | Name of the Faculty   | Subjects reviewed     |
|------------|-----------------------|-----------------------|
| EEE        | Dr. T. Vamsee Kiran   | Power Electronics     |
|            | Dr. A. V. Naresh Babu | Power System Analysis |

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

No. Being an affiliated college, it follows curriculum prescribed by JNTUK, Kakinada.

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

➤ **Departmental Meetings**

During a semester, every department conducts departmental meetings once in a month to know the requirements of the faculty if any, and to ensure the progress and curriculum as prescribed by the affiliating University.

**Mid Exams**

The college conducts two mid exams per subject every semester to analyze the students' understanding of curriculum. Analysis is made from the marks obtained by every student in each examination and remedial actions are taken for the students whose performance is poor.

**Assignments**

- The students have to submit two assignments in each subject to help them have a clear understanding of difficult topics
- Analysis of the student performance in the University end examination is done.
- The slow learners are given special coaching classes to improve their performance.
- Soft skill training, value added courses, workshops, technical symposia, seminars, guest lectures, industrial visits etc., are the additional efforts made by the institute to impart the content beyond the syllabus. Students are also encouraged to develop working models for improving their practical skills for better understanding of theoretical concepts.
- Each course has specific course outcomes and they are assessed at the end of each semester.

## 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. Goals and objectives of additional courses.

To meet the needs at state, national and global level, the Institution in collaboration with companies offers the following certificate/skill development courses:

| S.No | Certification Course  | In collaboration with |
|------|---|-----------------------|
| 1    | Infosys campus connect  | Infosys               |
| 2    | Student Enhancement Program (STEP) IIIT-Hyderabad               | IIIT Hyderabad        |
| 3    | Andhra Pradesh State Skill Development Cell (APSSDC), Hyderabad | Govt. of AP           |
| 4    | Microsoft Technology Association                                | Microsoft             |



**1.2.2 Does the Institution offer programmes that facilitate twinning /dual degree? If “yes”, give details.**

No. As the college is affiliated to JNTUK, Kakinada, there is no provision for offering dual degree programmes in the JNTUK university regulations.

**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**

**Table 1.2 (a) Details of Electives**

| <b>Electives offered by the University</b>   | <b>Electives opted by the college</b>   |
|--|---|
| <b>Elective – I:</b> <ul style="list-style-type: none"> <li>❖ VLSI Design</li> <li>❖ Electrical Distribution Systems</li> <li>❖ Optimization Techniques</li> </ul> <b>Elective – II:</b> <ul style="list-style-type: none"> <li>❖ Advanced Control Systems</li> <li>❖ Extra High Voltage Transmission</li> <li>❖ Special Electrical Machines</li> </ul> <b>Elective – III:</b> <ul style="list-style-type: none"> <li>❖ Electrical Power Quality</li> <li>❖ Digital Signal Processing</li> <li>❖ FACTS: Flexible Alternating Current Transmission Systems</li> </ul> <b>Elective – IV:</b> <ul style="list-style-type: none"> <li>❖ OOPS Through Java</li> <li>❖ UNIX and Shell Programming</li> <li>❖ AI Techniques</li> <li>❖ Power System Reforms</li> <li>❖ Systems Engineering</li> </ul> | <b>Elective – I:</b> <ul style="list-style-type: none"> <li>❖ Electrical Distribution Systems</li> <li>❖ Optimization Techniques</li> </ul> <b>Elective – II:</b> <ul style="list-style-type: none"> <li>❖ Advanced Control Systems</li> <li>❖ Special Electrical Machines</li> </ul> <b>Elective – III:</b> <ul style="list-style-type: none"> <li>❖ Electrical Power Quality</li> <li>❖ FACTS: Flexible Alternating Current Transmission Systems</li> </ul> <b>Elective – IV:</b> <ul style="list-style-type: none"> <li>❖ AI Techniques</li> </ul> |

**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 external resource persons / in-house faculty.

**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 a number of industries.
- The college has tie up with IIIT, Hyderabad to enhance the soft skills and technical skills of the students through STEP programme.
- 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 ISBTLO.

**Improved potential for employability:**

- To improve the potential for employability, the college is arranging systematic and continuous CRT programmes and frequent mock tests to the students from pre-final year onwards by expert trainers from external training agencies like Success key, 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.**

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.

**Table 1.2 (b) Self-Financed Programmes offered by the Institution**

| Course   | Intake |
|--|--------|
| B.Tech (Civil Engineering)                             | 120    |
| B.Tech (Electrical & Electronics Engineering)          | 120    |
| B.Tech (Mechanical Engineering)                        | 180    |
| B.Tech (Electronics & Communications Engineering)      | 180    |
| B.Tech (Computer Science & Engineering)                | 180    |
| Master of Business Administration (MBA)                | 180    |
| Master of Computer Applications (MCA)                  | 60     |
| Diploma in Civil Engineering (DCE)                     | 60     |
| Diploma in Mechanical Engineering (DME)                | 60     |
| Diploma in Electrical Engineering (DEE)                | 60     |
| Diploma in Electronics & Communications Engineering    | 60     |
| M.Tech (CSE)   | 18     |
| M.Tech (Machine Design)                                | 18     |
| M.Tech (Power Electronics)                             | 18     |
| M.Tech(Power Electronics & Electrical Drives)          | 24     |
| M.Tech (VLSI & Embedded Systems)                       | 24     |
| M.Tech (Digital Electronics and Communication systems) | 18     |

#### **Admission Process:**

The admission policy of the college complies with the rules and regulations laid down by the Government the Andhra Pradesh for the different categories.

#### **UG Programme:**

- Category – “A”:** The EAMCET convenor fills up 70% of the seats in the Institute by allotting the candidates to this Institute on the basis of their choice, their EMACET ranks and the reservation policy of the Govt of Andhra Pradesh, with 75% weight age to the Common Entrance test, 25% weightage to the marks obtained at the qualifying examination, viz the intermediate examination
- Category “B”:** The remaining 30% of the seats are filled up by the Institute under the Management/NRI quota as per the guidelines given by the APSCHE and the Govt of Andhra Pradesh
- Lateral Entry:** The Convener of ECET admits 20 % of sanctioned intake for each program for admission directly into the II year of the 4-year B.Tech program from among the diploma holders, based on their rank in ECET, their choice of the Institute

and the reservation policy of the Govt of Andhra Pradesh, under the lateral entry scheme.

**PG Programme:**

1. **Category “A”:** The PGECET/ICET (M. Tech / MBA and MCA) convener fills up 70% of seats in the Institute by allotting the candidates to this Institute on the basis of their choice, their PGECET/GATE/ICET ranks and the reservation policy of the Govt. of Andhra Pradesh.
2. **Category “B”:** The remaining 30% of the seats are filled up by the Institute under the Management as per the guidelines given by the APSCHE and the Govt. of Andhra Pradesh for this purpose.

**Curriculum:** The curriculum is designed by JNTU Kakinada to which the college is affiliated. These new age courses have a sound, well-charted curriculum specially designed to meet the requirements of competitive scenario.

**Fee Structure:** For all the courses, both category A and Category B seats, the fees will be as fixed by the Admission and Fee Regulatory Committee (AFRC) constituted by Government of Andhra Pradesh

**Teacher Qualifications and Salary:** Highly qualified and meritorious candidates with good research potential are appointed on regular/contractual basis as per UGC/State Government and AICTE norms to teach the specialized courses and give a boost to research activities.

**Salary:** Salaries are paid as per AICTE norms for Teaching staff and AP state Govt. norms for Non – Teaching staff.

**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.**

- The Finishing School Programme Department conducts classes to improve personality development / Aptitude / communication with Soft skills programmes to the students from I B.Tech to IV B.Tech.
- The Institute also invites guest speakers from the industry to deliver lectures on recent employment opportunities and how to prepare for interviews.
- Special training classes are conducted for the rural students to improve the knowledge in both technical and communication skills.

- Additional skill development courses help the students to develop their skills in business, entrepreneurship and other technical aspects.

**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?**

As per the curriculum of JNTUK university, Kakinada, there is no provision of combining conventional face-to-face and distance mode of education for the students.

**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?**

- The college makes every effort to supplement the curriculum of the University to ensure that the college goals and objectives are met.
- To face the current trends in competitive areas the institute has evolved additional inputs in the syllabus.
- Additional Laboratory experiments have been included in lab courses apart from curriculum to enrich the student's practical knowledge and skill base.
- To improve employability skills and overall personality development, the college supplements the university's curriculum by imparting special courses like Personality Development, Campus Recruitment Training, Soft and Communication Skills training to succeed in campus interviews conducted by various companies.
- The college encourages the faculty and students to use online resources like IEEEExplore, ASME Digital Library, ASCE, DELNET, NPTEL lectures, MIT courseware, and simulation software to improve their learning and research skills.

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

- The institution has taken measures to cater to the global market needs based on the true assessment of strengths and services offered on the campus.
- The institution is completely computerized at the administration and academic levels. Computer labs are well equipped with latest computers.

- Internet facility is made available at the library and the entire campus is connected to internet.
- OHP, Computers, LCD Projectors are being used for effective communication and teaching.
- All graduation courses involve one compulsory paper on fundamentals of Computers. The study of these courses enables all graduates to be familiar with computer fundamentals which enhance employability.
- The students of this college will be able to compete in the global human resource market by undergoing the above supplementary value added courses, industry oriented Mini and Major projects and Workshops.

### 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?

Realizing the need to integrate certain cross cutting issues such as Environmental Education and Gender, the college has taken the following initiatives:

#### **Environment and climatic change:**

##### **Ambience:**

- Sprawling lawns, avenue trees, and various species of plants function as carbon sinks and provide a gleaming green cover.
- The ambience of the Institution is filled with positive learning environment and student friendly culture.
- A cozy hostel with nutritious food and canteen, serve the culinary system. Play grounds, indoor, and outdoor games, entreat the body and development of physique leading to mental alertness.
- The campus is a liquor and tobacco free campus.

##### **Water Treatment Plant:**

A reverse osmosis (RO) plant has been installed to treat drinking water. Potable water is provided to all the inmates of the Institution.

##### **Environmental Education:**

As per the prescribed syllabus of JNTUK, Kakinada, students of all branches of study undergo a compulsory course on Environmental Studies in the First year. The course is a comprehensive course encompassing all the aspects of environment such as natural resources, biodiversity, pollution, alternate energy sources and human

intervention- causes and effects and social ethics. This course gives awareness to the impact of unethical human activities on the environment and its immediate and future ill effects and also on the role of professionals in preserving and protecting the environment.

#### **Gender Issues:**

A committee consisting of senior woman faculty from each department named Women Empowerment and Grievance Cell has been constituted. The objective of this cell is to facilitate a gender-sensitive and congenial campus environment at MIC so that no one in the campus is subjected to gender specific discrimination. The cell takes care of the issues related to gender and also popularizes gender equality through programs like International Women's Day celebrations and Empowerment programs like Leadership Training for women Officials are also conducted.

**A Grievance Redressal Committee** takes care of the suggestions and grievances of the students and staff at all levels of the college.

#### **Human Rights:**

The Institution has formed an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging, which is a violation against the fundamental human rights and human values.

Beginning of every academic year, the committee forms an Anti-Ragging squad for the control of ragging activities inside the campus. The squad members are assigned with various duties at the crowded areas of the college campus to prevent the freshers from being ragged.

The committee makes surprise visits to hostel and other vulnerable places prone to ragging. This committee makes the campus Ragging-Free.

#### **National Service Scheme (NSS):**

The NSS arranges camps to cover the following activities

- Medical camp : Visits to old age houses
- Blood donation camp : Visits to orphanages
- Tree plantation : Help people during natural calamities give floods etc.
- Environment awareness rallies.
- Besides all the above activities, our NSS Unit has adopted Perakalapadu village and has provided note books, school bags, and footwear to the poor children in addition to hair oil and soaps.

- The college, in collaboration with MIC Electronics, has provided LED bulbs for the street lights of the village.
- The NSS Unit of our college has been selected as “The Best NSS Unit” by JNTUK, Kakinada.

#### **Information and Communication Technology enabled teaching:**

In the past 10 years or so, there has been a paradigm shift in the teaching learning process with the advent of ICT. This shift has changed the focus from the teacher to the facilitator and the student to the participatory learner.

#### **Communication to Parents:**

SMS / Mails / website, conducting online examinations/cryptography for University exams, use of website, information through blogs, instruction dissemination through group mail IDs, on line submission of assignments are part of the teaching learning process.

Library automation and OPAC (Online Public Access Catalogue) contribute to time saving and efficient use of library resources.

Localized LAN contributes to effective handling of lab classes. NPTEL videos are viewed by the students for better comprehension.

Data handling, storage and distribution has been simplified and the college is moving towards paperless administration and college automation.

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

For the holistic development and for better employability of the students, the college has chalked out several value added courses and motivational programs.

With the help of these value- added courses, the students become better equipped for seeking employment or initiate their own enterprises.

**Table 1.3 Value Added Courses**

| S.No | Industry/<br>Company  | MoU Signed<br>on | Contribution to the<br>Institute  |
|------|---|------------------|---|
| 1    | Student Enhancement<br>Program<br>(STEP ) IIT-Hyderabad               | 28-03-2012       | Training provided to<br>the students on Java<br>and Computational<br>thinking |
| 2    | Andhra Pradesh State Skill<br>Development Cell<br>(APSSDC), Hyderabad | 02-02-2015       | Training and projects<br>development  |

Non- evaluative motivational programs and shows are also arranged for the



personality development of the students. Students either participate or form the organizational team in the following programs.

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

- Feedbacks are periodically obtained from stake holders like students, alumni, industrial experts, parents and management.
- Here, three examples for collected feedback from stake holders are given below.
- Students' suggest adding real-life Indian cases relating to patents, copyrights and trademarks in the course 'Intellectual Property Rights'.
- Alumni provide feedbacks to refine the curriculum towards latest trends.
- Industry people give suggestions to include more practical oriented courses.

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

The enrichment programmes are monitored and evaluated by the HODs, Principal and Management. Corrective measures are taken based on feedback from the students. The feedback form consists of questionnaire related to syllabus, teaching methods, interactive session and additional facilities provided during the enrichment programmes.

## 1.4 Feedback System

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

The Institution is affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK, Kakinada). The University designs the curriculum and syllabi. This Institute regularly contributes to the design and development of the university curriculum as follows:

- The college has an Academic Committee to get the feedback from the students, faculty and other stake holders regarding curriculum/syllabi of the affiliating university.
- The feedback is reviewed by the Academic Committee and is sent to JNTUK, Kakinada, for consideration and inclusion in the curriculum during its next revision.
- Faculty members are motivated to attend the workshops and faculty development programmes conducted by JNTUK University, relevant to design and development of 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 in introducing changes/new programmes?**

- Yes, the college obtains feedback from the students (through teacher evaluation by students and programme - exit questionnaire), alumni, parents, employers/industries and experts from academia and other stakeholders.
- The feedback from all stakeholders is reviewed by the members of Academics Committee in order to send the suggestion to the Board of Studies of JNTUK, Kakinada.
- Faculty Development Programmes attended by our faculty help the faculty to identify gaps in the curriculum and suggest measures to the Academic Committee for enrichment of curriculum.
- Parents regularly review their wards' improvement in studies and personality providing feedback to the counselor during their interactions with the faculty.
- Alumni act as mentors, role models and develop lifelong relationship. They extend their views and ideas towards fulfilling the requirements of the industry.
- The industry provides feedback about the needed software and knowledge for easy learning of real time problems and to solve them efficiently.

**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?**

The following programmes were introduced in the last 4 academic years

- (1) B.Tech (Civil)
- (2) Diploma in Civil Engineering (DCE)
- (3) Diploma in Mechanical Engineering (DME)
- (4) Diploma in Electrical Engineering (DEE)
- (5) Diploma in Electronics and Communication Engineering (DECE)

# **CRITERION-II**

**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 policy guidelines laid down by the Andhra Pradesh State Council of Higher Education (APSCHE), Government of Andhra Pradesh with regard to publicity and to ensure transparency in the admission process of students to various programmes. Admission in the state is regulated by the State Council of Higher Education based on ranks obtained in the state level examinations following statutory regulations and reservations.

The State Council notifies the schedule of examinations and publishes the ranks in all newspapers and on its website. Counseling process for admissions is centralized by the State Council and full-fledged publicity is given for the schedule of admissions.

The State Government ensures transparency in admission process by updating information thereof in newspapers and on its website. Students can directly contact help lines or counseling centers notified by the government and access information regarding the pace and progress of the admission process, thus ensuring complete transparency. This is a practice that has been in vogue for decades.

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

**Advertisement in Regional / National news dailies**

The college gives advertisements in English & Telugu language 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, M.B.A and Diploma 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 which highlight the vision, mission and philosophy of the college, code of conduct, university regulations, and courses offered, quality and details of the faculty, library, sports and games, laboratory and other infrastructural facilities. The college also publishes newsletters at the institute and department levels.

### College Website

- The college has a regularly updated website [www.mictech.ac.in](http://www.mictech.ac.in) which provides all information about the college.
- Awareness and Induction programmes are conducted for parents and students on the admission process and education system of the college.
- The college firmly believes that students and parents are its best ambassadors.

The **transparency** in the admission process is ensured through the following processes:

- The availability of seats in various categories and reservations, facilities available etc., are advertised in news papers.
- Rules and regulations of A.P. State Higher Education relating to eligibility and the admission procedures are given in the website.
- The list of selected candidates along with their rank and selection criteria for all the programmes is posted on the website.

Further, the college ensures publicity through circulation of its prospectus, erecting hoardings, alumni meet, parents meet, advertising in newspapers and electronic media, issuing notifications on its website from time to time, occasional public events and taking part in educational fairs.

#### 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.

The institute offers five (05) undergraduate (B. Tech) and six (06) postgraduate (M. Tech) programmes in engineering besides MCA and MBA programmes, and four (04) Diploma courses. As per the norms laid down by the AP

State Council of Higher Education (APSCHE), 70% of the students (Category A) of UG and PG programmes are to be admitted through common tests conducted by state and national agencies and for Diploma courses 100% admissions are filled through POLYCET convenor of APSBTET.

The process of admission for the remaining 30% students (Category B) is in line with the guidelines given by APSCHE. Finalization of admissions is made based on the rank obtained in the tests conducted by national agencies or state agencies or merit in the qualifying examinations.

20% of the seats are meant for the lateral entry admissions into the second year of B.Tech for diploma holders which are filled by the convener, ECET. Left over seats are filled up by the college through spot admissions following the guidelines issued by the AP Government.

### 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.

The admission into UG / PG technical courses in Andhra Pradesh is done under two categories:

- (i) **A-Category (Convener Quota) admissions** based on the common entrance tests EAMCET/ICET/GATE/PGCET respectively.
- (ii) **B-Category (Management Quota) admissions** for the candidates who have passed the qualifying examination with not less than 45% of marks in prescribed group subjects or 45% aggregate marks in the qualifying examination or Cumulative Grade Point Average (CGPA) equivalent to 5 on a scale of 10.

The best and the last ranks of the students admitted under various categories during the last four academic years are indicated below:

**Table – 2.1(a) Courses-wise Lowest & Highest Ranks for UG - B. Tech Programmes  
Male Category**

| 2016-17 |        |        |       |        |       |        |       |        |        |        |
|---------|--------|--------|-------|--------|-------|--------|-------|--------|--------|--------|
| BRANCH  | CIVIL  |        | EEE   |        | MECH  |        | ECE   |        | CSE    |        |
| RANK    | L      | H      | L     | H      | L     | H      | L     | H      | L      | H      |
| GENDER  | M      | M      | M     | M      | M     | M      | M     | M      | M      | M      |
| OC      | 39149  | 132948 | 42003 | 131671 | 36236 | 133393 | 15056 | 53989  | 18263  | 117464 |
| BC-A    | 46284  | 132285 | -     | -      | 28470 | 122878 | 34920 | 119004 | 45341  | 117651 |
| BC-B    | 78553  | 96464  | 75059 | 94095  | -     | 129071 | 41886 | 125209 | 29604  | 66196  |
| BC-C    | -      | -      | -     | -      | -     | -      | 53933 | -      | 107076 | -      |
| BC-D    | 58926  | 135563 | 65858 | 130502 | 41122 | 130069 | 38245 | 135234 | 21638  | 74916  |
| BC-E    | 123199 | -      | 75771 | -      | 77218 | 125770 | 34227 | 136786 | 49656  | 73560  |
| SC      | 83360  | 135985 | 72055 | 137312 | 70141 | 135280 | 40066 | 131319 | 57672  | 136401 |
| ST      | 120417 | -      | 92906 | -      | 63173 | 131094 | -     | -      | 109123 | -      |
| NCC     | NIL    |        |       |        |       |        |       |        |        |        |
| PHC     |        |        |       |        |       |        |       |        |        |        |
| CAP     |        |        |       |        |       |        |       |        |        |        |
| SPORTS  |        |        |       |        |       |        |       |        |        |        |

| 2015-16 |        |        |        |        |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| BRANCH  | CIVIL  |        | EEE    |        | MECH   |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L      | H      | L      | H      | L      | H      |
| GENDER  | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      |
| OC      | 25878  | 128987 | 18676  | 89622  | 12587  | 112973 | 15867  | 50238  | 9774   | 28640  |
| BC-A    | 52948  | 82745  | 57554  | 80572  | 43087  | 90337  | 57401  | 81047  | 71045  | 119053 |
| BC-B    | 41600  | 98270  | 45094  | 118843 | 53455  | 69489  | 19115  | 130629 | 27265  | 66886  |
| BC-C    | -      | -      | 70580  | -      | 81280  | -      | -      | -      | -      | -      |
| BC-D    | 42315  | -      | 31846  | 84674  | 29774  | 117562 | 20888  | 58242  | 32663  | 126740 |
| BC-E    | 89741  | 116697 | 53355  | 113973 | 32209  | 82795  | 38235  | 75430  | 62250  | -      |
| SC      | 49241  | 124829 | 50357  | 123152 | 60173  | 125459 | 68152  | 128722 | 60228  | 128043 |
| ST      | -      | -      | 12874  | -      | 113967 | 131191 | 122458 | 128722 | -      | -      |
| NCC     | NIL    |        |        |        |        |        |        |        |        |        |
| PHC     |        |        |        |        |        |        |        |        |        |        |
| CAP     |        |        |        |        |        |        |        |        |        |        |
| SPORTS  |        |        |        |        |        |        |        |        |        |        |
| 2014-15 |        |        |        |        |        |        |        |        |        |        |
| BRANCH  | CIVIL  |        | EEE    |        | MECH   |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L      | H      | L      | H      | L      | H      |
| GENDER  | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      |
| OC      | 26504  | 82007  | 36000  | 194977 | 24626  | 73440  | 23005  | 46776  | 24274  | 59388  |
| BC-A    | 157856 | 182595 | 165373 | 193833 | 138431 | 177234 | 55153  | 176614 | 108642 | 194538 |
| BC-B    | 93003  | 166507 | 87188  | 183298 | 60221  | 198402 | 41039  | 126037 | 75039  | 190381 |

|         |        |        |        |        |        |        |        |        |        |        |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| BC-C    | -      | -      | -      | -      | -      | 104420 | -      | -      | -      | -      |
| BC-D    | 52038  | 189554 | 59689  | 167868 | 48448  | 150212 | 29515  | 93224  | 71848  | 111324 |
| BC-E    | 91142  | 176969 | -      | -      | 181166 | -      | 163511 | -      | 153092 | -      |
| SC      | 117087 | 196982 | 75032  | 169679 | 47672  | 190908 | 105077 | 201896 | 134466 | 196519 |
| ST      | -      | -      | -      | -      | 201776 | -      | -      | -      | -      | -      |
| NCC     | NIL    |        |        |        |        |        |        |        |        |        |
| PHC     |        |        |        |        |        |        |        |        |        |        |
| CAP     |        |        |        |        |        |        |        |        |        |        |
| SPORTS  |        |        |        |        |        |        |        |        |        |        |
| 2013-14 |        |        |        |        |        |        |        |        |        |        |
| BRANCH  | CIVIL  |        | EEE    |        | MECH   |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L      | H      | L      | H      | L      | H      |
| GENDER  | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      |
| OC      | 30935  | 67973  | 31999  | 97677  | 22083  | 119535 | 18532  | 34405  | 26901  | 81129  |
| BC-A    | 54872  | 182887 | 97539  | 172281 | 55997  | 157434 | 38789  | 115273 | -      | -      |
| BC-B    | 43191  | 158120 | 57936  | 179380 | 49340  | 118841 | 56301  | 146599 | 151615 | 155902 |
| BC-C    | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| BC-D    | 86527  | 156283 | 67462  | 196348 | 42878  | 98074  | 35675  | 69483  | 97199  | 203458 |
| BC-E    | 72797  | 186650 | 72703  | -      | 119085 | 187621 | 48937  | 86804  | 177745 | -      |
| SC      | 126085 | 202587 | 68369  | 211716 | 61999  | 205198 | 90835  | 211969 | 168541 | 212447 |
| ST      | 193833 | -      | 140880 | 198651 | 137113 | -      | -      | -      | 183185 | -      |
| NCC     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| PHC     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| CAP     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| SPORTS  | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 2012-13 |        |        |        |        |        |        |        |        |        |        |
| BRANCH  | CIVIL  |        | EEE    |        | MECH   |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L      | H      | L      | H      | L      | H      |
| GENDER  | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      |
| OC      | 23453  | 39729  | 18063  | 43410  | 16752  | 28761  | 16313  | 29003  | 16329  | 44415  |
| BC-A    | 134268 | 179849 | 40917  | 108110 | 46786  | 181274 | 60443  | 71046  | 98372  | -      |
| BC-B    | 72588  | 160591 | 59014  | 129115 | 54069  | 108332 | 24336  | 24336  | 62163  | 193772 |
| BC-C    |        |        |        |        |        |        |        |        |        |        |
| BC-D    | 58492  | -      | 123883 | -      | -      | -      | -      | -      | 152516 | -      |
| BC-E    | 78086  | 99917  | 53518  | 201661 | 34203  | 76626  | 37628  | 65579  | 76843  | 165909 |
| SC      | 82591  | 161959 | 55454  | -      | 65256  | 142565 | 61281  | 62903  | 122099 | -      |
| ST      | 99701  | 161706 | 77478  | 156399 | 87850  | 131365 | 99302  | 149958 | 170313 | 205713 |
| NCC     | -      | -      | -      | -      | 89484  | 203391 | 206302 | -      | -      | -      |
| PHC     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| CAP     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| SPORTS  | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |



Table – 2.1(b) Courses-wise Lowest &amp; Highest Ranks for UG - B.Tech Programmes – Female

| 2016-17 |        |        |        |        |       |        |        |        |        |        |
|---------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| BRANCH  | CIVIL  |        | EEE    |        | MECH  |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L     | H      | L      | H      | L      | H      |
| GENDER  | F      | F      | F      | F      | F     | F      | F      | F      | F      | F      |
| OC      | 42747  | 102776 | 34483  | 113900 | -     | -      | 13417  | 45504  | 15547  | 35214  |
| BC-A    | 47341  | -      | -      | -      | -     | -      | 58969  | 121884 | 43001  | 105499 |
| BC-B    | -      | -      | -      | -      | -     | -      | 61108  | 126400 | 28196  | 101409 |
| BC-C    | 70258  | -      | 68042  | -      | -     | -      | -      | -      | -      | -      |
| BC-D    | 94389  | -      | 96594  | -      | -     | -      | 25201  | 93167  | 24585  | 51395  |
| BC-E    | -      | -      | -      | -      | -     | -      | 21732  | 106819 | 36464  | 68682  |
| SC      | 93123  | 128758 | 125884 | -      | -     | -      | 57758  | 130574 | 54130  | 132471 |
| ST      | -      | -      | -      | -      | -     | -      | -      | -      | 82898  | -      |
| NCC     | NIL    |        |        |        |       |        |        |        |        |        |
| PHC     |        |        |        |        |       |        |        |        |        |        |
| CAP     |        |        |        |        |       |        |        |        |        |        |
| SPORTS  |        |        |        |        |       |        |        |        |        |        |
| 2015-16 |        |        |        |        |       |        |        |        |        |        |
| BRANCH  | CIVIL  |        | EEE    |        | MECH  |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L     | H      | L      | H      | L      | H      |
| Gender  | F      | F      | F      | F      | F     | F      | F      | F      | F      | F      |
| OC      | 27318  | 42372  | 27202  | 109636 | -     | -      | 11551  | 58192  | 9869   | 29131  |
| BC-A    | -      | -      | 96167  | -      | -     | -      | 72661  | 109415 | 26536  | 100026 |
| BC-B    | -      | -      | 32665  | 120866 | -     | -      | 31480  | 65757  | 31193  | 35515  |
| BC-C    | -      | -      | 72779  | 108035 | -     | -      | -      | -      | -      | -      |
| BC-D    | 110319 | -      | 44269  | 110989 | -     | -      | 22310  | 54112  | 32651  | 77666  |
| BC-E    | -      | -      | -      | -      | -     | -      | 26449  | 41663  | 50744  | 103824 |
| SC      | -      | -      | 48157  | 108652 | -     | -      | 74369  | 132795 | 39951  | 129142 |
| ST      | -      | -      | 73967  | -      | -     | -      | 126658 | -      | -      | -      |
| NCC     | -      | -      | -      | -      | -     | -      | -      | -      | -      | -      |
| PHC     | -      | -      | -      | -      | -     | -      | -      | -      | -      | -      |
| CAP     | -      | -      | -      | -      | -     | -      | -      | -      | -      | -      |
| SPORTS  | -      | -      | -      | -      | -     | -      | -      | -      | -      | -      |
| 2014-15 |        |        |        |        |       |        |        |        |        |        |
| BRANCH  | CIVIL  |        | EEE    |        | MECH  |        | ECE    |        | CSE    |        |
| RANK    | L      | H      | L      | H      | L     | H      | L      | H      | L      | H      |
| Gender  | F      | F      | F      | F      | F     | F      | F      | F      | F      | F      |
| OC      | 64051  | 118493 | 57533  | 171787 | 38419 | 116251 | 16995  | 48138  | 25578  | 59720  |
| BC-A    | 146889 | -      | 162428 | -      | -     | -      | 64169  | 135664 | 109212 | 119243 |
| BC-B    | 69651  | 173979 | -      | -      | -     | -      | 42915  | 128190 | 83022  | 176798 |
| BC-C    | -      | -      | -      | -      | -     | 114082 | -      | 85714  | -      | -      |
| BC-D    | -      | -      | -      | -      | 69438 | -      | 49199  | 107751 | 48016  | 134629 |
| BC-E    | -      | -      | -      | -      | -     | -      | 33757  | 125896 | 81762  | 128508 |
| SC      | 108680 | 186490 | 165676 | 177873 | -     | -      | 59057  | 184630 | -      | -      |
| ST      | 146642 | 161497 | -      | -      | -     | -      | 70617  | -      | -      | -      |
| NCC     | -      | -      | -      | -      | -     | -      | -      | -      | -      | -      |

|                |              |          |            |          |             |          |            |          |            |          |
|----------------|--------------|----------|------------|----------|-------------|----------|------------|----------|------------|----------|
| PHC            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| CAP            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| SPORTS         | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| <b>2013-14</b> |              |          |            |          |             |          |            |          |            |          |
| <b>BRANCH</b>  | <b>CIVIL</b> |          | <b>EEE</b> |          | <b>MECH</b> |          | <b>ECE</b> |          | <b>CSE</b> |          |
| <b>RANK</b>    | <b>L</b>     | <b>H</b> | <b>L</b>   | <b>H</b> | <b>L</b>    | <b>H</b> | <b>L</b>   | <b>H</b> | <b>L</b>   | <b>H</b> |
| <b>Gender</b>  | <b>F</b>     | <b>F</b> | <b>F</b>   | <b>F</b> | <b>F</b>    | <b>F</b> | <b>F</b>   | <b>F</b> | <b>F</b>   | <b>F</b> |
| OC             | 46144        | 136847   | 29555      | 140143   | 46557       | 132781   | 10228      | 104354   | 18737      | 143223   |
| BC-A           | 39918        | -        | 22309      | -        | -           | -        | 68588      | -        | 191849     | -        |
| BC-B           | 99428        | 170065   | 102397     | -        | -           | -        | 44017      | 152756   | 67991      | 180822   |
| BC-C           | 67758        | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| BC-D           | 121467       | 148277   | -          | -        | 102091      | -        | 69212      | 114744   | 60336      | 163971   |
| BC-E           | -            | -        | -          | -        | -           | -        | 126041     | -        | 83272      | 143371   |
| SC             | -            | -        | 109678     | 200770   | -           | -        | 68117      | 161802   | 146605     | 183173   |
| ST             | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| NCC            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| PHC            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| CAP            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| SPORTS         | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| <b>2012-13</b> |              |          |            |          |             |          |            |          |            |          |
| <b>BRANCH</b>  | <b>CIVIL</b> |          | <b>EEE</b> |          | <b>MECH</b> |          | <b>ECE</b> |          | <b>CSE</b> |          |
| <b>RANK</b>    | <b>L</b>     | <b>H</b> | <b>L</b>   | <b>H</b> | <b>L</b>    | <b>H</b> | <b>L</b>   | <b>H</b> | <b>L</b>   | <b>H</b> |
| <b>Gender</b>  | <b>F</b>     | <b>F</b> | <b>F</b>   | <b>F</b> | <b>F</b>    | <b>F</b> | <b>F</b>   | <b>F</b> | <b>F</b>   | <b>F</b> |
| OC             | 38399        | 85911    | 22630      | 38036    | 33886       | 86324    | 13111      | 29537    | 17684      | 128219   |
| BC-A           | -            | -        | 80786      | 170074   | 190228      | -        | 69247      | 107606   | 156728     | 167712   |
| BC-B           | 139095       | 193095   | 57242      | 108274   | -           | -        | 16787      | 95317    | 67244      | 153618   |
| BC-C           |              |          |            |          |             |          |            |          |            |          |
| BC-D           | -            | -        | -          | -        | -           | -        | 110014     | -        | -          | -        |
| BC-E           | 162904       | 185526   | 44596      | 130720   | 122581      | -        | 45713      | 110614   | 87370      | 140817   |
| SC             | -            | -        | -          | -        | -           | -        | 19065      | 57714    | 100990     | 168051   |
| ST             | 130123       | 161343   | 113026     | 177500   | -           | -        | 46143      | 152340   | 182749     | 183652   |
| NCC            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| PHC            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| CAP            | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |
| SPORTS         | -            | -        | -          | -        | -           | -        | -          | -        | -          | -        |

Table – 2.1(c) Courses-wise Lowest & Highest Ranks for PG - M. Tech Programmes- Male

|                |            |          |                  |          |           |          |                    |          |             |          |            |          |
|----------------|------------|----------|------------------|----------|-----------|----------|--------------------|----------|-------------|----------|------------|----------|
| <b>2016-17</b> |            |          |                  |          |           |          |                    |          |             |          |            |          |
| <b>Branch</b>  | <b>EEE</b> |          |                  |          | <b>ME</b> |          | <b>ECE</b>         |          |             |          | <b>CSE</b> |          |
| <b>SPC</b>     | <b>PE</b>  |          | <b>PE&amp;ED</b> |          | <b>MD</b> |          | <b>VLSI&amp;ES</b> |          | <b>DECS</b> |          | <b>CSE</b> |          |
| <b>RANK</b>    | <b>L</b>   | <b>H</b> | <b>L</b>         | <b>H</b> | <b>L</b>  | <b>H</b> | <b>L</b>           | <b>H</b> | <b>L</b>    | <b>H</b> | <b>L</b>   | <b>H</b> |
| <b>Gender</b>  | <b>M</b>   | <b>M</b> | <b>M</b>         | <b>M</b> | <b>M</b>  | <b>M</b> | <b>M</b>           | <b>M</b> | <b>M</b>    | <b>M</b> | <b>M</b>   | <b>M</b> |
| OC             | -          | -        | -                | -        | 2005      | 2517     | -                  | -        | -           | -        | -          | -        |
| BC-A           | -          | -        | -                | -        | -         | -        | 519                | -        | -           | -        | -          | -        |
| BC-B           | -          | -        | -                | -        | -         | -        | -                  | -        | -           | -        | -          | -        |
| BC-C           | -          | -        | -                | -        | -         | -        | -                  | -        | -           | -        | -          | -        |
| BC-D           | -          | -        | -                | -        | -         | -        | -                  | -        | -           | -        | -          | -        |

| BC-E    | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
|---------|-------|------|-------|-------|------|------|---------|------|-------|-------|-------|-------|
| SC      | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| ST      | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| NCC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| PHC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| CAP     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| SPORTS  | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| 2015-16 |       |      |       |       |      |      |         |      |       |       |       |       |
| Branch  | EEE   |      |       |       | ME   |      | ECE     |      |       |       | CSE   |       |
| SPC     | PE    |      | PE&ED |       | MD   |      | VLSI&ES |      | DECS  |       | CSE   |       |
| RANK    | L     | H    | L     | H     | L    | H    | L       | H    | L     | H     | L     | H     |
| Gender  | M     | M    | M     | M     | M    | M    | M       | M    | M     | M     | M     | M     |
| OC      | 4208  | -    | 3896  | -     | 760  | 1965 | 7       | 1773 | 2470  | -     | -     | -     |
| BC-A    | -     | -    | -     | -     | 3755 | -    | -       | -    | -     | -     | -     | -     |
| BC-B    | -     | -    | 2015  | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| BC-C    | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| BC-D    | 4270  | -    | 4962  | -     | -    | -    | -       | -    | 3839  | -     | -     | -     |
| BC-E    | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| SC      | -     | -    | 3273  | 3874  | -    | -    | 2615    | -    | -     | -     | -     | -     |
| ST      | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| NCC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| PHC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| CAP     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| SPORTS  | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| 2014-15 |       |      |       |       |      |      |         |      |       |       |       |       |
| Branch  | EEE   |      |       |       | ME   |      | ECE     |      |       |       | CSE   |       |
| SPC     | PE    |      | PE&ED |       | MD   |      | VLSI&ES |      | DECS  |       | CSE   |       |
| RANK    | L     | H    | L     | H     | L    | H    | L       | H    | L     | H     | L     | H     |
| Gender  | M     | M    | M     | M     | M    | M    | M       | M    | M     | M     | M     | M     |
| OC      | 2847  | 2141 | -     | -     | 7962 | -    | 666     | -    | 238   | 22309 | 17603 | 19221 |
| BC-A    | 2709  | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| BC-B    | 2798  | -    | 3768  | -     | 7716 | 3828 | 32324   | -    | 11093 | 22603 | 14223 | -     |
| BC-C    | -     | -    | -     | -     | -    | 2309 | 24069   | -    | -     | -     | -     | -     |
| BC-D    | -     | -    | -     | -     | -    | -    | 5067    | -    | -     | -     | 10554 | 11089 |
| BC-E    | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| SC      | 7755  | -    | 5864  | 39900 | 6533 | -    | 3645    | 5765 | -     | -     | 3934  | 16375 |
| ST      | 40365 | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| NCC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| PHC     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| CAP     | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| SPORTS  | -     | -    | -     | -     | -    | -    | -       | -    | -     | -     | -     | -     |
| 2013-14 |       |      |       |       |      |      |         |      |       |       |       |       |
| Branch  | EEE   |      |       |       | ME   |      | ECE     |      |       |       | CSE   |       |
| SPC     | PE    |      | PE&ED |       | MD   |      | VLSI&ES |      | DECS  |       | CSE   |       |

| RANK           | L     | H     | L     | H     | L    | H    | L       | H     | L     | H     | L     | H     |
|----------------|-------|-------|-------|-------|------|------|---------|-------|-------|-------|-------|-------|
| Gender         | M     | M     | M     | M     | M    | M    | M       | M     | M     | M     | M     | M     |
| OC             | 2481  | 16813 | 629   | 20011 | 2350 | 4233 | 598     | 954   | 3281  | 4858  | -     | -     |
| BC-A           | 6001  | 16813 | -     | -     | -    | -    | 13868   | -     | -     | -     | -     | -     |
| BC-B           | 2494  | 16813 | 4576  | -     | -    | -    | 11289   | 12202 | 11860 | -     | -     | -     |
| BC-C           | 21730 | -     | -     | -     | 2309 | -    | -       | -     | -     | -     | -     | -     |
| BC-D           | 1689  | -     | 11500 | -     | -    | -    | 944     | 1288  | 11529 | -     | -     | 15155 |
| BC-E           | -     | -     | 8787  | -     | 444  | 5658 | 11816   | -     | -     | -     | 12798 | -     |
| SC             | 38062 | 39291 | 3222  | 39900 | 3513 | -    | 42003   | -     | 12214 | 17533 | -     | 21391 |
| ST             | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| NCC            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| PHC            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| CAP            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| SPORTS         | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| <b>2012-13</b> |       |       |       |       |      |      |         |       |       |       |       |       |
| Branch         | EEE   |       |       |       | ME   |      | ECE     |       |       |       | CSE   |       |
| SPC            | PE    |       | PE&ED |       | MD   |      | VLSI&ES |       | DECS  |       | CSE   |       |
| RANK           | L     | H     | L     | H     | L    | H    | L       | H     | L     | H     | L     | H     |
| Gender         | M     | M     | M     | M     | M    | M    | M       | M     | M     | M     | M     | M     |
| OC             | 2048  | 2417  | 166   | 3241  | 903  | 1283 | -       | -     | 9650  | -     | 1696  | 1813  |
| BC-A           | 5481  | -     | -     | -     | -    | -    | 9188    | -     | 6047  | -     | -     | -     |
| BC-B           | 2385  | 2940  | 1796  | -     | -    | -    | -       | -     | 10207 | -     | 5087  | 7329  |
| BC-C           | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| BC-D           | -     | -     | 3867  | -     | -    | -    | 4918    | 12464 | -     | -     | 7510  | -     |
| BC-E           | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | 433   | -     |
| SC             | 23508 | -     | 2616  | 43959 | -    | -    | 3142    | 9478  | 1997  | 7171  | 426   | 5919  |
| ST             | -     | -     | -     | -     | -    | -    | 12938   | -     | 31522 | -     | -     | -     |
| NCC            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| PHC            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| CAP            | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |
| SPORTS         | -     | -     | -     | -     | -    | -    | -       | -     | -     | -     | -     | -     |

Table – 2.1(d) Courses-wise Lowest &amp; Highest Ranks for PG - M. Tech Programmes- Female

| <b>2016-17</b> |     |   |       |      |    |   |         |      |      |      |      |   |
|----------------|-----|---|-------|------|----|---|---------|------|------|------|------|---|
| Branch         | EEE |   |       |      | ME |   | ECE     |      |      |      | CSE  |   |
| SPC            | PE  |   | PE&ED |      | MD |   | VLSI&ES |      | DECS |      | CSE  |   |
| RANK           | L   | H | L     | H    | L  | H | L       | H    | L    | H    | L    | H |
| Gender         | F   | F | F     | F    | F  | F | F       | F    | F    | F    | F    | F |
| OC             | 830 | - | 1400  | 2172 | -  | - | 57      | 2793 | 2015 | 4408 | 3100 | - |
| BC-A           | -   | - | 2714  | -    | -  | - | -       | -    | -    | -    | -    | - |
| BC-B           | -   | - | -     | -    | -  | - | -       | -    | -    | -    | -    | - |
| BC-C           | -   | - | -     | -    | -  | - | -       | -    | -    | -    | -    | - |
| BC-D           | -   | - | -     | -    | -  | - | -       | -    | -    | -    | -    | - |
| BC-E           | -   | - | -     | -    | -  | - | -       | -    | -    | -    | -    | - |

| SC             | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
|----------------|-------|------|-------|-------|------|------|---------|-------|-------|-------|------|-------|
| ST             | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| NCC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| PHC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| CAP            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| SPORTS         | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| <b>2015-16</b> |       |      |       |       |      |      |         |       |       |       |      |       |
| Branch         | EEE   |      |       |       | ME   |      | ECE     |       |       |       | CSE  |       |
| SPC            | PE    |      | PE&ED |       | MD   |      | VLSI&ES |       | DECS  |       | CSE  |       |
| RANK           | L     | H    | L     | H     | L    | H    | L       | H     | L     | H     | L    | H     |
| Gender         | F     | F    | F     | F     | F    | F    | F       | F     | F     | F     | F    | F     |
| OC             | 2179  | 5046 | 3594  | -     | -    | -    | 1752    | 6839  | 78    | -     | 3497 | -     |
| BC-A           | -     | -    | 2188  | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| BC-B           | -     | -    | 5703  | -     | -    | -    | 294     | -     | -     | -     | -    | -     |
| BC-C           | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| BC-D           | -     | -    | -     | -     | -    | -    | -       | -     | 1712  | -     | -    | -     |
| BC-E           | -     | -    | 712   | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| SC             | 6170  | -    | -     | -     | -    | -    | 2586    | 8067  | -     | -     | 2505 | 3926  |
| ST             | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| NCC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| PHC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| CAP            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| Sports         | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| <b>2014-15</b> |       |      |       |       |      |      |         |       |       |       |      |       |
| Branch         | EEE   |      |       |       | ME   |      | ECE     |       |       |       | CSE  |       |
| SPC            | PE    |      | PE&ED |       | MD   |      | VLSI&ES |       | DECS  |       | CSE  |       |
| RANK           | L     | H    | L     | H     | L    | H    | L       | H     | L     | H     | L    | H     |
| Gender         | F     | F    | F     | F     | F    | F    | F       | F     | F     | F     | F    | F     |
| OC             | 1283  | 3918 | 1288  | 6734  | 328  | 3671 | 406     | 19704 | 960   | 10579 | 2524 | 13810 |
| BC-A           | -     | -    | -     | -     | -    | -    | -       | 18809 | -     | -     | -    | -     |
| BC-B           | -     | -    | 5717  | -     | 3499 | -    | 2693    | -     | 13872 | -     | -    | -     |
| BC-C           | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| BC-D           | 4103  | -    | 16573 | -     | -    | -    | 4488    | 19286 | 8445  | 11630 | -    | -     |
| BC-E           | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| SC             | 17424 | -    | -     | -     | -    | -    | 4988    | -     | -     | -     | 7505 | 20466 |
| ST             | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| NCC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| PHC            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| CAP            | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| Sports         | -     | -    | -     | -     | -    | -    | -       | -     | -     | -     | -    | -     |
| <b>2013-14</b> |       |      |       |       |      |      |         |       |       |       |      |       |
| Branch         | EEE   |      |       |       | ME   |      | ECE     |       |       |       | CSE  |       |
| SPC            | PE    |      | PE&ED |       | MD   |      | VLSI&ES |       | DECS  |       | CSE  |       |
| RANK           | L     | H    | L     | H     | L    | H    | L       | H     | L     | H     | L    | H     |
| Gender         | F     | F    | F     | F     | F    | F    | F       | F     | F     | F     | F    | F     |
| OC             | 1902  | -    | 1711  | 18349 | 300  | 4611 | 1455    | 14709 | 1384  | 6032  | -    | 3436  |

|         |       |      |       |      |      |   |         |       |       |       |       |       |
|---------|-------|------|-------|------|------|---|---------|-------|-------|-------|-------|-------|
| BC-A    | -     | -    | 10276 | -    | -    | - | -       | -     | 9440  | -     | -     | -     |
| BC-B    | -     | -    | -     | -    | -    | - | 5598    | 12202 | -     | -     | -     | 20835 |
| BC-C    | -     | -    | -     | -    | -    | - | -       | -     | -     | 1590  | -     | -     |
| BC-D    | -     | -    | 6980  | -    | 2344 | - | -       | -     | 778   | -     | -     | 11269 |
| BC-E    | 3363  | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| SC      | 4210  | -    | 12765 | -    | -    | - | 462     | 4482  | 21109 | -     | -     | -     |
| ST      | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| NCC     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| PHC     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| CAP     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| Sports  | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| 2012-13 |       |      |       |      |      |   |         |       |       |       |       |       |
| Branch  | EEE   |      |       |      | ME   |   | ECE     |       |       |       | CSE   |       |
| SPC     | PE    |      | PE&ED |      | MD   |   | VLSI&ES |       | DECS  |       | CSE   |       |
| RANK    | L     | H    | L     | H    | L    | H | L       | H     | L     | H     | L     | H     |
| Gender  | F     | F    | F     | F    | F    | F | F       | F     | F     | F     | F     | F     |
| OC      | 3287  | 9091 | 1364  | 3784 | -    | - | 2484    | 6795  | 2296  | 11055 | 2735  | -     |
| BC-A    | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | 12164 | -     |
| BC-B    | 4306  | -    | -     | -    | -    | - | 7006    | 13171 | -     | -     | 239   | 10942 |
| BC-C    | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| BC-D    | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| BC-E    | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| SC      | 38153 | -    | 34614 | -    | -    | - | 11150   | -     | 4495  | -     | 10347 | 12830 |
| ST      | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| NCC     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| PHC     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| CAP     | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |
| Sports  | -     | -    | -     | -    | -    | - | -       | -     | -     | -     | -     | -     |

Table – 2.1(e) Courses-wise Lowest & Highest Ranks for PG – MBA/MCA Programmes

| Category | ICET Ranks |       |         |       |        |       |         |       |
|----------|------------|-------|---------|-------|--------|-------|---------|-------|
|          | MBA        |       |         |       | MCA    |       |         |       |
|          | Lowest     |       | Highest |       | Lowest |       | Highest |       |
|          | M          | F     | M       | F     | M      | F     | M       | F     |
| 2016-17  |            |       |         |       |        |       |         |       |
| OC       | 814        | 886   | 48300   | 50304 | 4276   | 5403  | 44307   | 28029 |
| BC-A     | 11733      | 7833  | 50150   | 20606 | 18622  | -     | -       | -     |
| BC-B     | 15176      | 14570 | 52177   | 31643 | 9348   | 49198 | 14180   | -     |
| BC-C     | -          | -     | -       | -     | -      | 24613 | -       | -     |
| BC-D     | 12987      | 12629 | 53446   | 19673 | -      | 6139  | -       | -     |
| BC-E     | -          | 10273 | -       | 52662 | 8771   | -     | 18796   | -     |
| SC       | 14943      | 7375  | 56060   | 52112 | -      | 30167 | -       | 43986 |

|                |       |        |        |        |       |       |       |       |
|----------------|-------|--------|--------|--------|-------|-------|-------|-------|
| <b>ST</b>      | 44762 | -      | -      | -      | -     | -     | -     | -     |
| <b>NCC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>PHC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>CAP</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>SPORTS</b>  | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>2015-16</b> |       |        |        |        |       |       |       |       |
| <b>OC</b>      | 3512  | 3024   | 61421  | 55282  | -     | -     | -     | -     |
| <b>BC-A</b>    | 11353 | 29954  | 54285  | -      | -     | -     | -     | -     |
| <b>BC-B</b>    | 19661 | 14681  | 46129  | 41316  | -     | -     | -     | -     |
| <b>BC-C</b>    | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>BC-D</b>    | 24397 | 16634  | 56483  | -      | -     | -     | -     | -     |
| <b>BC-E</b>    | 23724 | 8737   | 41500  | 20586  | -     | -     | -     | -     |
| <b>SC</b>      | 18426 | 61975  | 63706  | -      | -     | -     | -     | -     |
| <b>ST</b>      | -     | 47655  | -      | -      | -     | -     | -     | -     |
| <b>NCC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>PHC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>CAP</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>SPORTS</b>  | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>2014-15</b> |       |        |        |        |       |       |       |       |
| <b>OC</b>      | 14128 | 8191   | 64120  | 64418  | 39796 | 10696 | 79594 | 56545 |
| <b>BC-A</b>    | 41780 | 36847  | 100565 | 108262 | -     | -     | -     | -     |
| <b>BC-B</b>    | 58724 | 20957  | 100331 | 66934  | -     | -     | -     | -     |
| <b>BC-C</b>    | 56469 | 50315  | -      | -      | -     | -     | -     | -     |
| <b>BC-D</b>    | 20988 | 16630  | 116294 | 113886 | -     | 15260 | -     | -     |
| <b>BC-E</b>    | 86179 | 41175  | -      | -      | -     | -     | -     | -     |
| <b>SC</b>      | 34268 | 3315   | 118955 | -      | -     | -     | -     | -     |
| <b>ST</b>      | -     | 119363 | -      | -      | -     | -     | -     | -     |
| <b>NCC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>PHC</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>CAP</b>     | -     | -      | -      | -      | -     | -     | -     | -     |
| <b>SPORTS</b>  | -     | -      | -      | -      | -     | -     | -     | -     |

| 2013-14 |       |        |        |        |       |      |       |       |
|---------|-------|--------|--------|--------|-------|------|-------|-------|
| OC      | 6591  | 2659   | 116205 | 119049 | 11681 | 306  | 71736 | 71215 |
| BC-A    | 35931 | 21811  | 71373  | 98246  | -     | -    | -     | -     |
| BC-B    | 8635  | 21321  | 87355  | 59316  | -     | -    | -     | -     |
| BC-C    | -     | -      | -      | -      | -     | -    | -     | -     |
| BC-D    | 18450 | 27139  | 94306  | 113960 | -     | -    | -     | -     |
| BC-E    | 13627 | -      | 37036  | -      | -     | -    | -     | -     |
| SC      | 35062 | 30357  | 117694 | 122299 | -     | -    | -     | -     |
| ST      | -     | 98829  | -      | -      | -     | -    | -     | -     |
| NCC     | -     | -      | -      | -      | -     | -    | -     | -     |
| PHC     | -     | -      | -      | -      | -     | -    | -     | -     |
| CAP     | -     | -      | -      | -      | -     | -    | -     | -     |
| SPORTS  | -     | -      | -      | -      | -     | -    | -     | -     |
| 2012-13 |       |        |        |        |       |      |       |       |
| OC      | 4039  | 8330   | 118760 | 74953  | 5314  | 8309 | 98140 | 44369 |
| BC-A    | 26229 | 38774  | 115145 | 88114  | 26079 | -    | -     | -     |
| BC-B    | 26683 | 39250  | 86977  | 112484 | 21831 | -    | 76735 | -     |
| BC-C    | -     | -      | -      | -      | -     | -    | -     | -     |
| BC-D    | 12979 | 26927  | 77318  | 72706  | 56024 | -    | 56068 | -     |
| BC-E    | 49357 | -      | 64188  | -      | 12167 | -    | -     | -     |
| SC      | 25495 | 111935 | 119962 | 120949 | -     | -    | -     | -     |
| ST      | -     | -      | -      | -      | -     | -    | -     | -     |
| NCC     | -     | -      | -      | -      | -     | -    | -     | -     |
| PHC     | -     | -      | -      | -      | -     | -    | -     | -     |
| CAP     | -     | -      | -      | -      | -     | -    | -     | -     |
| SPORTS  | -     | -      | -      | -      | -     | -    | -     | -     |



**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. Even though admission process is uniform through APSCHE across the state, the profiles of the admitted candidates are studied and analyzed in order to identify the strengths and weaknesses of the admitted students. The entry-level analytics is very handy in strategizing and positioning various programmes such as:

- Finishing school
- Remedial classes
- Classes for slow learners
- Personality improvement
- Training for placement
- Skill Development Programmes (SDP)

Further, the exercise of analytics is carried out periodically so as to measure the progress of the students with respect to the desired outcomes.

**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 strategies adopted to increase/improve access to various categories of students are as given below:

**SC/ST Students**

- The Admission procedure for SC/ST students is as per the reservation policy of the State Government.
- Book bank facility is provided for SC/ST students.
- 100% fee is reimbursed by the State Government to the SC/ST students.
- Scholarships are provided to SC/ST students towards hostel fees.

**OBC Students**

- The Admission procedure for OBC students is as per the reservation policy of the State Government.
- Partial fee is reimbursed by the State Government to the OBC students.
- Scholarships are provided to OBC students towards hostel fee.

**Women**

- 33 % of the admitted students in the convener quota are women as per the reservation policy of the State Government.
- A Women Empowerment and Grievances Redressal Cell, headed by a senior woman faculty is constituted, which takes care of separate facilities, welfare and empowerment of girl students.
- The Disciplinary Committee plays a vital role by taking stringent action on irregularities against women and is well informed to the society.

**Persons with disabilities**

- Differently-abled students are allotted seats as per the reservation policy of the State Government. For them, all class work is confined to the ground floor. Seats are reserved for them in the classrooms.
- Institutional scholarships are provided for the differently-abled.

**Economically Weaker Sections**

The State Government offers partial fee reimbursement to the EWS students.

**Minority Community**

Reservation is available to the minority community under BC-E category as per the state government's policies.

**Outstanding achievers in sports and extracurricular activities**

Candidates with sports testimonials or NCC Certification are provided reservation as per the guidelines of the state government.

Table 2.1(f) Admission pattern of UG - B.Tech Students (Category Wise)

| Category                    | UG - B.Tech Students |      |       |      |       |      |       |      |       |      |
|-----------------------------|----------------------|------|-------|------|-------|------|-------|------|-------|------|
|                             | CE                   |      | EEE   |      | ME    |      | ECE   |      | CSE   |      |
|                             | Girls                | Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls | Boys |
| <b>2016-17</b>              |                      |      |       |      |       |      |       |      |       |      |
| SC                          | 2                    | 11   | 1     | 3    | -     | 16   | 4     | 9    | 7     | 16   |
| ST                          | -                    | 1    | -     | 1    | -     | 2    | -     | -    | 1     | 1    |
| OBC                         | 3                    | 19   | 4     | 6    | -     | 37   | 25    | 34   | 29    | 25   |
| Differently Abled           | -                    | -    | -     | -    | -     | -    | -     | -    | -     | -    |
| Economically weaker Section | 10                   | 20   | 17    | 19   | -     | 43   | 40    | 41   | 54    | 33   |
| Minority Community          | -                    | 1    | 0     | 1    | -     | 8    | 2     | 4    | 3     | 8    |
| Sports/NCC                  | -                    | -    | -     | -    | -     | -    | -     | -    | -     | -    |
| <b>2015-16</b>              |                      |      |       |      |       |      |       |      |       |      |
|                             | CE                   |      | EEE   |      | ME    |      | ECE   |      | CSE   |      |
|                             | Girls                | Boys | Girls | Boys | Girls | Boys | Girls | Boys | Girls | Boys |
| SC                          | 4                    | 18   | 7     | 18   | -     | 39   | 13    | 14   | 18    | 9    |
| ST                          | 0                    | 1    | 1     | 1    | -     | 4    | 1     | 1    | -     | 2    |
| OBC                         | 2                    | 37   | 11    | 38   | 1     | 52   | 29    | 41   | 30    | 21   |
| Differently Abled           | -                    | -    | -     | -    | -     | -    | -     | -    | -     | -    |
| Economically weaker Section | 11                   | 39   | 15    | 23   | 1     | 59   | 56    | 52   | 52    | 40   |
| Minority Community          | -                    | 8    | 2     | 3    | 0     | 13   | 2     | 4    | 5     | 1    |
| Sports/NCC                  |                      |      |       |      |       |      |       |      |       |      |
| <b>2014-15</b>              |                      |      |       |      |       |      |       |      |       |      |
| SC                          | 3                    | 16   | 3     | 13   | 2     | 32   | 12    | 8    | 1     | 3    |
| ST                          | 1                    | 0    | -     | 2    | -     | 3    | 1     | 1    | -     | -    |
| OBC                         | 5                    | 39   | 6     | 25   | 3     | 74   | 25    | 40   | 30    | 23   |
| Differently Abled           | -                    | -    | -     | -    | -     | -    | -     | -    | -     | -    |
| Economically weaker Section | 8                    | 47   | 26    | 45   | 4     | 75   | 56    | 57   | 70    | 41   |
| Minority Community          | -                    | 9    | -     | 2    | -     | 9    | 5     | 3    | 4     | 3    |

|                             |    |    |    |    |   |    |    |    |    |    |
|-----------------------------|----|----|----|----|---|----|----|----|----|----|
| Sports/NCC                  | -  | -  | -  | -  | - | -  | -  | -  | -  | -  |
| <b>2013-14</b>              |    |    |    |    |   |    |    |    |    |    |
| SC                          | 1  | 18 | 5  | 18 | 0 | 27 | 12 | 9  | 5  | 3  |
| ST                          | 0  | 3  | 0  | 5  | 1 | 1  |    | 1  | 1  | 0  |
| OBC                         | 6  | 36 | 6  | 37 | 2 | 56 | 16 | 29 | 16 | 13 |
| Differently Abled           | -  | -  | -  | -  | - | -  | -  | -  | -  | -  |
| Economically weaker Section | 11 | 41 | 19 | 27 | 4 | 46 | 47 | 13 | 80 | 46 |
| Minority Community          | 0  | 4  | 0  | 1  | 0 | 6  | 1  | 4  | 3  | 1  |
| Sports/NCC                  | -  | -  | -  | -  | - | -  | -  | -  | -  | -  |
| <b>2012-13</b>              |    |    |    |    |   |    |    |    |    |    |
| SC                          | 2  | 6  | 8  | 20 | - | 18 | 13 | 13 | 2  | 9  |
| ST                          | -  | -  | -  | 1  | - | 3  | -  | 1  | -  | -  |
| OBC                         | 5  | 23 | 20 | 39 | 2 | 50 | 21 | 19 | 12 | 19 |
| Differently Abled           | -  | -  | -  | -  | - | -  | -  | -  | -  | -  |
| Economically weaker Section | 6  | 23 | 21 | 31 | 7 | 47 | 41 | 30 | 44 | 33 |
| Minority Community          | 0  | 6  | 0  | 3  | 0 | 7  | 2  | 4  | 2  | 1  |
| Sports/NCC                  | -  | -  | -  | -  | - | -  | -  | -  | -  | -  |

Table 2.1(g) Admission pattern of PG - M.Tech Students (Category Wise)

| Category                    | PG - M.Tech Students |      |       |      |       |      |         |      |       |      |       |      |
|-----------------------------|----------------------|------|-------|------|-------|------|---------|------|-------|------|-------|------|
|                             | EEE                  |      |       |      | ME    |      | ECE     |      |       |      | CSE   |      |
|                             | PE                   |      | PE&ED |      | MD    |      | VLSI&ES |      | DECS  |      | CSE   |      |
|                             | Girls                | Boys | Girls | Boys | Girls | Boys | Girls   | Boys | Girls | Boys | Girls | Boys |
| <b>2016-17</b>              |                      |      |       |      |       |      |         |      |       |      |       |      |
| SC                          | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |
| ST                          | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |
| OBC                         | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |
| Differently Abled           | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |
| Economically weaker Section | 1                    | -    | 2     | -    | -     | 2    | 5       | 1    | 2     | -    | 1     | -    |
| Minority Community          | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |
| Sports/NCC                  | -                    | -    | -     | -    | -     | -    | -       | -    | -     | -    | -     | -    |

| 2015-16                     |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| SC                          | 1 | - | - | 3 | - | - | 7 | 1 | - | - | 2 | - |
| ST                          | - | - | - | - | - | - | 1 | - | - | - | - | - |
| OBC                         | - | 1 | 2 | 2 | - | 1 | 1 | - | 1 | 1 | - | - |
| Differently Abled           | - | - | - | - | - | - | - | - | - | - | - | - |
| Economically weaker Section | 4 | 1 | 2 | 1 | - | 2 | 2 | 2 | 1 | 1 | 1 | - |
| Minority Community          | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Sports/NCC                  | - | - | - | - | - | - | - | - | - | - | - | - |
| 2014-15                     |   |   |   |   |   |   |   |   |   |   |   |   |
| SC                          | 1 | 1 | - | 6 | - | 2 | - | - | - | - | 1 | 2 |
| ST                          | - | 1 | - | - | - | - | - | - | - | - | - | - |
| OBC                         | 1 | 2 | 2 | 2 | 1 | 4 |   |   | 3 | 4 | 6 | 3 |
| Differently Abled           | - | - | - | - | - | - | - | - | 3 | 4 | - | - |
| Economically weaker Section | 2 | 2 | 4 | 3 | 1 | - | - | - | - | - | 6 | 2 |
| Minority Community          | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Sports/NCC                  | - | - | - | - | - | - | - | - | - | - | - | - |
| 2013-14                     |   |   |   |   |   |   |   |   |   |   |   |   |
| SC                          | 1 | 2 | 1 | 3 | - | 1 | 2 | 1 | 1 | 2 | - | 2 |
| ST                          | - | - | - | - | - | - | - | - | - | - | - | - |
| OBC                         | - | 6 | 2 | 2 | 1 | 1 | 3 | 4 | 3 | 2 | 4 | 4 |
| Differently Abled           | - | - | - | - | - | - | - | - | - | - | - | - |
| Economically weaker Section | 1 | 2 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 2 | 5 | 1 |
| Minority Community          | 1 | - | - | 1 | - | 2 | 1 | - | - | - | - | 1 |
| Sports/NCC                  | - | - | - | - | - | - | - | - | - | - | - | - |
| 2012-13                     |   |   |   |   |   |   |   |   |   |   |   |   |
| SC                          | 1 | 1 | - | 8 | - | - | 1 | 4 | 1 | 2 | 2 | 2 |
| ST                          | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| OBC                         | 1 | 3 | - | 2 | - | - | 2 | 3 | - | 2 | 3 | 2 |
| Differently Abled           | - | - | - | - | - | - | - | - | - | - | - | - |
| Economically weaker Section | 3 | 2 | 3 | 7 | 0 | 2 | 6 | - | 4 | 1 | 3 | 4 |
| Minority Community          | - | - | - | - | - | - | - | - | - | - | - | - |
| Sports/NCC                  | - | - | - | - | - | - | - | - | - | - | - | - |

Table 2.1(h) Admission pattern of PG – MBA &amp; MCA Students (Category Wise)

| Category                    | PG - MBA/MCA |      |       |      |
|-----------------------------|--------------|------|-------|------|
|                             | MBA          |      | MCA   |      |
|                             | Girls        | Boys | Girls | Boys |
| <b>2016-17</b>              |              |      |       |      |
| SC                          | 3            | 15   | 2     | 0    |
| ST                          | -            | 1    | -     | -    |
| OBC                         | 8            | 26   | 3     | 3    |
| Differently Abled           | -            | -    | -     | -    |
| Economically weaker Section | 28           | 29   | 5     | 5    |
| Minority Community          | 3            | -    | 0     | 2    |
| Sports/NCC                  | -            | -    | -     | -    |
| <b>2015-16</b>              |              |      |       |      |
| SC                          | 1            | 15   | -     | -    |
| ST                          | 1            | -    | -     | -    |
| OBC                         | 6            | 34   | -     | -    |
| Differently Abled           | -            | -    | -     | -    |
| Economically weaker Section | 31           | 37   | -     | -    |
| Minority Community          | 2            | 5    | -     | -    |
| Sports/NCC                  | -            | -    | -     | -    |
| <b>2014-15</b>              |              |      |       |      |
| SC                          | 1            | 10   | -     | -    |
| ST                          | 1            | -    | -     | -    |
| OBC                         | 16           | 26   | -     | -    |
| Differently Abled           | -            | -    | -     | -    |
| Economically weaker Section | 35           | 24   | -     | -    |
| Minority Community          | 1            | 1    | -     | -    |
| Sports/NCC                  | -            | -    | -     | -    |
| <b>2013-14</b>              |              |      |       |      |
| SC                          | 3            | 3    | -     | -    |
| ST                          | 1            | -    | -     | -    |
| OBC                         | 14           | 23   | -     | -    |
| Differently Abled           | -            | -    | -     | -    |
| Economically weaker Section | 23           | 13   | 2     | 3    |

|                             |    |    |   |    |
|-----------------------------|----|----|---|----|
| Minority Community          | 1  | 2  | - | -  |
| Sports/NCC                  | -  | -  | - | -  |
| <b>2012-13</b>              |    |    |   |    |
| SC                          | 2  | 11 | - | -  |
| ST                          | -  | -  | - | -  |
| OBC                         | 10 | 32 | - | 5  |
| Differently Abled           | -  | -  | - | -  |
| Economically weaker Section | 30 | 46 | 5 | 15 |
| Minority Community          | 1  | 2  | - | 1  |
| Sports/NCC                  | -  | -  | - | -  |

**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.

**Table 2.1(j) Academic Year Wise Admitted Ratio of the Students**

| Programmes                     |   | Students' Intake | Students' Admitted | Demand Ratio |
|--------------------------------|---|------------------|--------------------|--------------|
| <b>2016 – 17</b>               |   |                  |                    |              |
| <b>UG - B.Tech</b>             | Civil Engineering                           | 120              | 82                 | 68.33        |
|                                | Electrical & Electronics Engineering        | 120              | 52                 | 43.33        |
|                                | Mechanical Engineering                      | 180              | 106                | 88.33        |
|                                | Electronics & Communication Engineering     | 180              | 160                | 88.89        |
|                                | Computer Science & Engineering              | 180              | 177                | 94.44        |
| <b>PG – M.Tech / MCA / MBA</b> | Power Electronics                           | 18               | 1                  | 5.56         |
|                                | Power Electronics & Electrical Drives       | 24               | 3                  | 12.50        |
|                                | Machine Design                              | 18               | 2                  | 11.11        |
|                                | VLSI & Embedded Systems                     | 24               | 6                  | 25.00        |
|                                | Digital Electronics & Communication Systems | 18               | 3                  | 16.67        |
|                                | Computer Science & Engineering              | 18               | 2                  | 11.11        |
|                                | Master of Computer Applications             | 60               | 20                 | 33.33        |
|                                | Master of Business Administration           | 180              | 113                | 62.78        |
| <b>Diploma</b>                 | Civil Engineering                           | 60               | 60                 | 100          |
|                                | Electrical & Electronics Engineering        | 60               | 60                 | 100          |

|                                |  |     |     |       |
|--------------------------------|--|-----|-----|-------|
|                                | <b>Mechanical Engineering</b>                          | 60  | 60  | 100   |
|                                | <b>Electronics &amp; Communication Engineering</b>     | 60  | 60  | 100   |
| <b>2015-16</b>                 |  |     |     |       |
| <b>UG - B.Tech</b>             | <b>Civil Engineering</b>                               | 120 | 96  | 80.00 |
|                                | <b>Electrical &amp; Electronics Engineering</b>        | 120 | 77  | 64.17 |
|                                | <b>Mechanical Engineering</b>                          | 180 | 130 | 72.22 |
|                                | <b>Electronics &amp; Communication Engineering</b>     | 180 | 176 | 97.78 |
|                                | <b>Computer Science &amp; Engineering</b>              | 180 | 178 | 98.89 |
| <b>PG – M.Tech / MCA / MBA</b> | <b>Power Electronics</b>                               | 18  | 7   | 38.89 |
|                                | <b>Power Electronics &amp; Electrical Drives</b>       | 24  | 11  | 45.83 |
|                                | <b>Machine Design</b>                                  | 18  | 3   | 16.67 |
|                                | <b>VLSI &amp; Embedded Systems</b>                     | 24  | 15  | 62.50 |
|                                | <b>Digital Electronics &amp; Communication Systems</b> | 36  | 4   | 11.11 |
|                                | <b>Computer Science &amp; Engineering</b>              | 36  | 3   | 8.33  |
|                                | <b>Master of Computer Applications</b>                 | 60  | 0   | 0     |
|                                | <b>Master of Business Administration</b>               | 180 | 132 | 73.33 |
| <b>Diploma</b>                 | <b>Civil Engineering</b>                               | 60  | 60  | 100   |
|                                | <b>Electrical &amp; Electronics Engineering</b>        | 60  | 60  | 100   |
|                                | <b>Mechanical Engineering</b>                          | 60  | 60  | 100   |
|                                | <b>Electronics &amp; Communication Engineering</b>     | 60  | 60  | 100   |
| <b>2014-15</b>                 |  |     |     |       |
| <b>UG - B.Tech</b>             | <b>Civil Engineering</b>                               | 120 | 104 | 86.67 |
|                                | <b>Electrical &amp; Electronics Engineering</b>        | 120 | 92  | 76.67 |
|                                | <b>Mechanical Engineering</b>                          | 180 | 160 | 88.89 |
|                                | <b>Electronics &amp; Communication Engineering</b>     | 180 | 172 | 95.56 |
|                                | <b>Computer Science &amp; Engineering</b>              | 180 | 171 | 95.00 |
| <b>PG – M.Tech / MCA / MBA</b> | <b>Power Electronics</b>                               | 18  | 13  | 72.22 |
|                                | <b>Power Electronics &amp; Electrical Drives</b>       | 24  | 14  | 58.33 |
|                                | <b>Machine Design</b>                                  | 18  | 11  | 61.11 |
|                                | <b>VLSI &amp; Embedded Systems</b>                     | 24  | 20  | 83.33 |
|                                | <b>Digital Electronics &amp; Communication Systems</b> | 36  | 14  | 38.89 |



|                                |   |     |     |       |
|--------------------------------|---|-----|-----|-------|
|                                | Computer Science & Engineering              | 36  | 11  | 30.56 |
|                                | Master of Computer Applications             | 60  | 12  | 20.00 |
|                                | Master of Business Administration           | 180 | 125 | 69.44 |
| <b>Diploma</b>                 | Civil Engineering                           | 60  | 60  | 100   |
|                                | Electrical & Electronics Engineering        | 60  | 60  | 100   |
|                                | Mechanical Engineering                      | 60  | 60  | 100   |
|                                | Electronics & Communication Engineering     | 60  | 53  | 88.33 |
| <b>2013-14</b>                 |   |     |     |       |
| <b>UG - B.Tech</b>             | Civil Engineering                           | 120 | 111 | 92.50 |
|                                | Electrical & Electronics Engineering        | 120 | 95  | 79.17 |
|                                | Mechanical Engineering                      | 120 | 120 | 100   |
|                                | Electronics & Communication Engineering     | 120 | 105 | 87.50 |
|                                | Computer Science & Engineering              | 180 | 161 | 89.40 |
| <b>PG – M.Tech / MCA / MBA</b> | Power Electronics                           | 18  | 13  | 72.22 |
|                                | Power Electronics & Electrical Drives       | 24  | 17  | 70.83 |
|                                | Machine Design                              | 18  | 11  | 61.11 |
|                                | VLSI & Embedded Systems                     | 24  | 17  | 70.83 |
|                                | Digital Electronics & Communication Systems | 18  | 14  | 77.78 |
|                                | Computer Science & Engineering              | 18  | 17  | 94.44 |
|                                | Master of Computer Applications             | 120 | 5   | 4.17  |
|                                | Master of Business Administration           | 180 | 109 | 60.56 |
| <b>Diploma</b>                 | Civil Engineering                           | 60  | 50  | 83.33 |
|                                | Electrical & Electronics Engineering        | 60  | 60  | 100   |
|                                | Mechanical Engineering                      | 60  | 60  | 100   |
|                                | Electronics & Communication Engineering     | 60  | 59  | 98.33 |
| <b>2012-13</b>                 |   |     |     |       |
| <b>UG - B.Tech</b>             | Civil Engineering                           | 60  | 59  | 98.33 |
|                                | Electrical & Electronics Engineering        | 120 | 118 | 98.33 |
|                                | Mechanical Engineering                      | 120 | 118 | 98.33 |
|                                | Electronics & Communication Engineering     | 120 | 120 | 100   |
|                                | Computer Science & Engineering              | 120 | 119 | 99.17 |

|  |  |     |     |       |
|--|--|-----|-----|-------|
| <b>PG –<br/>M.Tech<br/>/ MCA<br/>/ MBA</b> | <b>Bio Technology</b>                                  | 18  | 9   | 50    |
|  | <b>Power Electronics</b>                               | 18  | 14  | 77.78 |
|  | <b>Power Electronics &amp; Electrical Drives</b>       | 24  | 18  | 75    |
|  | <b>Machine Design</b>                                  | 18  | 5   | 27.78 |
|  | <b>VLSI &amp; Embedded Systems</b>                     | 24  | 19  | 79.17 |
|  | <b>Digital Electronics &amp; Communication Systems</b> | 18  | 13  | 72.22 |
|  | <b>Computer Science &amp; Engineering</b>              | 18  | 18  | 100   |
|  | <b>Master of Computer Applications</b>                 | 120 | 26  | 21.67 |
|  | <b>Master of Business Administration</b>               | 180 | 137 | 76.11 |

Keeping in view of the demand for CSE, ECE and Mechanical courses, intake of the number of seats is increased over the years.

## **2.2 Catering to Student Diversity**

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

- The institution is fully adhering to Andhra Pradesh Government policies regarding the needs of differently-abled students.
- Wheel chairs are provided for differently-abled students. Seats are reserved for them in the classrooms.
- In case of extreme physical disability, class work is arranged in the ground floor.
- Students having vision and functional disability are provided with scribes during examinations.
- Extra time is allotted for laboratory classes and special care will be taken for such students.

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

**YES.**

The Institute analyzes the profiles of the admitted students in terms of knowledge, skills and grouped on the basis of analysis.

The entry-level analytics are useful in planning different programmes to the students in such a way to improve their skills:

- Classroom seminars (to overcome the stage fear & improve communication)
- Personality development programs(to develop Leadership qualities)
- Training for placement programs (for eligible students)
- Skill Development Programmes (SDP)
- Finishing school program

The institution assesses the students' needs in the following ways

- Induction program is arranged every year by the management to explain about the academic regulation, college policies, achievements, student placements, faculty expertise, hostel facility, transport facility, other facilities available and the teaching-learning methodology. The students and parents are encouraged to express their problems and elicit other information during induction programme.
- The Heads of the Departments explain the strengths of their departments with respect to the faculty, technical staff, laboratories, etc.



Freshers Oreintation Program

### 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 Institute adopts the following strategies to bridge the knowledge gap:

- Guest Lectures from eminent professors
- Workshops to improve the practical knowledge
- Remedial Classes for Back log students
- Students can register to Massive On-line Open access Courses (MOOC) for their enrichment
- Internship programs are arranged
- Industrial visits and training programmes
- CRT classes to placement eligible students(Final Year)
- Finishing School Programs (FSP) for II, III and IV B. Tech students

The strategies drawn and deployed by the institution are

- The institution conducts tutorial classes in all the subjects to enhance their analytical and problematic skills and abilities.
- Remedial classes are arranged for all the difficult subjects for the benefit of slow learners.
- 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 lab has been established to improve English proficiency of the students.
- Industrial visits are arranged to create awareness on the equipment used, technology implemented, its process and control, pollution control measures taken by the industry etc.
- Add-on courses are organized for advanced learners to enhance their learning abilities.
- Remedial classes for candidates failed in different subjects are conducted.

**Table 2.2(a) Add-on Courses**

| S. No | Academic Year | Name of the Courses   | Target Students |
|-------|---------------|---|-----------------|
| 1     | 2016 -17      | Cyber Security (Module-2)<br>Data Analytics (Module-2) MTA                            | 99              |
| 2     | 2015 - 16     | Cyber Security (Module-2)<br>Data Analytics (Module-2)<br>Summer Mini Project Program | 131             |
| 3     | 2014 - 15     | IIIT STEP   | 76              |
| 4     | 2013 - 14     | IIIT STEP   | 42              |
| 5     | 2012 - 13     | IIIT STEP   | 30              |

The students involved in different enrichment activities like: **Technical Quiz, Internship Programs, Working models, Paper Presentations, Poster Presentations, Workshops, etc.** Conducted at both Intra and inter institutional level in last four academic years

**Table 2.2 (b) Number of Enrichment Courses**

| S. No | Departments | Number of Enrichment Courses | Target Students            |
|-------|-------------|------------------------------|----------------------------|
| 1     | CSE         | 18                           | II,III,IV B. Tech, M. Tech |
| 2     | ECE         | 24                           | II,III,IV B. Tech, M. Tech |
| 3     | EEE         | 25                           | II,III,IV B. Tech, M. Tech |
| 4     | MECH        | 20                           | II,III,IV B. Tech, M. Tech |

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

- A women protection cell is headed by one senior lady staff member, faculty and girl student representatives from each department. The cell looks after the welfare of girl students and lady staff members.
- Students are seated as per the seating plan arranged by the department.
- Coordinators monitor transportation, hostel, canteen services provided by the college
- The institution holds the tradition of imparting holistic education with emphasis on ethical and moral principles.

- The college, being co-educational institution sensitizes its staff and students on issues such as gender inclusion, environment etc., by organizing seminars wherein the experts are invited to share and deliver their experiences and knowledge.
- Professional Ethics & Morals and Environmental Studies are part of the regular curriculum.
- The NSS unit conducts awareness programmes to villagers around Kanchikacherla to enlighten them on importance of education to children, environmental and social responsibilities.
- 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?

- The Institution has MoU with AP State Govt. SDC to provide technical training on advanced courses like, Web Technologies, Mobile Apps Development, e-Commerce Apps, Cloud Computing and Virtualizations, etc for the advanced learners.
- The Institute has conducted training programmes on advanced Java, Oracle, advanced Database Systems through Jawaharlal Knowledge Center (JKC) to get the campus placement.
- Advanced learners can register to the MOOC courses through Centre of Excellence for e-Resource Development & Deployment (CoEeRD) offered by the affiliated University (JNTUK)
- National Program on Technology Enhancement Learning (NPTEL ) Lectures are provided in the Institutional Digital Library
- The institution identifies and responds to the learning needs of advanced learners that aims at developing high-level employability skills and interpersonal skills for every engineering student. Moreover, it also creates awareness/guidance about the career and provides ample amount of career opportunities at their level.
- The institute continuously encourages the advanced learners to strive for setting and moving towards higher goals by providing them additional inputs on career planning and professional growth. To realize this objective, the institute
- Encourages them to prepare for competitive examinations like GATE, TOEFL / IELTS and GRE.
- Encourages them to participate in classroom seminars, group discussions, technical

quiz etc., as a part of the college activities/departmental activities (through department associations) for developing analytical, problem solving and presentation skills.

- Motivates them to access the latest online journals, reference materials and helps them to understand the emerging trends in their field of study.
- Motivates them to participate in the in-house research activities.
- Encourages them to participate in national level paper contests, seminars, working model exhibitions and other technical competitions.
- Encourages them to take specialized training through certificate courses.
- Assigns them responsibilities as members at the department-level committees to nurture their leadership skills.
- Assists the slow learners especially during the conduct of tutorials which will improve their communication skills.
- Conducts exclusive pre-placement training classes to prepare them for campus interviews.
- Motivates them to participate in research and development activities.
- Encourages participation in Massive Open Online Courses (MOOC) to enhance knowledge.

**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)?**

- Student counselor is assigned for a batch of 20 students in each department to monitor the student attendance, marks, and other activities of each student at regular intervals. The student data is also maintained by the counselor in counseling sheets.
- 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.



- 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 during students counseling.
- Classes are conducted for students deficient in language skills.
- Remedial classes are organized to clarify doubts, re-explaining of critical topics and for backlog students in improving performance.

## 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...)

The college organizes the teaching-learning and evaluation schedules by preparing the following:

#### i) Academic calendar :

The academic calendar is prepared well in advance for the entire year and distributed to the students and the faculty members prior to the commencement of classes. It specifies the dates earmarked for academic activity, internal exams, holidays, last working day for different programmes, commencement of end semester practical and theory examinations, total number of working days and slots for value-added programmes. The academic calendar provides the entire academic schedule for both the semesters in an academic year.

Apart from the academic calendar, a day-wise schedule is prepared that includes workshops, seminars, guest lectures, conferences, sports & games, campus recruitment training programmes, skill development programmes etc. It is prepared by the Heads of Departments and is reviewed by the Academic Dean for necessary suggestions in the purview of the Head of the institution.

#### ii) Teaching Plan:

Teaching Learning process adopts a planning framework which involves lecture plans, tutorial plans, evaluation plans and plans for addressing student gaps and



needs. These are blended in the sessions through session plan which in turn is structured into the timetable. Typical class timetable contains sessions extracted from various courses and sessions planned to make room for supplementary activities like seminars, library work, sports and skill development.

In addition, slow learners and potential learner's evaluation system for addressing the gaps and needs of the students is implemented. Subject allotment, based on the expertise and choice of the faculty members, for the upcoming semester is planned at the departmental level well in advance. Subjects are allocated after discussion with the Departmental Academic Committee members and the approval of the Head of the Department. Class timetables are prepared and displayed in all the notice boards. Every faculty member prepares a course file which contains lecture plans which includes the topics covered under the lecture. These lectures will be arranged in sessions that form the session plan.

### **Laboratory Sessions**

- Each of the lab sessions is handled by 2 teaching faculty members assisted by a lab technician.
- Students are expected to come prepared for pre-lab viva-voce for the experiment earmarked in each slot. They are tested with post-lab viva questions after completing the experiment.
- Laboratory records are evaluated after the experiment is completed.
- Innovative experiments are added in the laboratory experiments to ensure better understanding of the subject.
- If a student is interested in experimenting with innovative ideas, even after the college hours, access to the lab is allowed and a faculty member is made available for assistance and discussion.
- Inclusion of experiments beyond the scope of the syllabus prescribed gives advanced learners opportunities to explore the subject extensively.

### **Evaluation Blueprint**

Evaluation Blueprint is disseminated to the students well in advance.

### **Regulation Book**

The Regulation Book distributed to the students clearly lays down the Evaluation Blueprint for both internal assessment and end semester examinations.

## Evaluation Components

### Internships:

Opportunity to work as interns is provided to the students with the companies with which QIS has collaborations through MOUs.

| Theory Courses  | Practical courses                              | Projects                                 |
|---|--|--|
| Mid Examination<br>Assignments<br>Tutorial Sessions<br>Group Assessments<br>End Semester Examinations | Continuous Assessment<br><br>End semester Exam | Project reviews<br><br>Project viva-voce |

### 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.

### 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.

#### Interactive learning

- All classrooms are with LAN connection 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.
- 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 open 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.

**National Programme on Technology Enhanced Learning (NPTEL)**

- 8000 hours of NPTEL video courses on 129 subjects are provided in the library.

**Information Communication Technologies (ICT)**

- The main objective of the center is to conduct workshops on empowerment of students and teachers through Synchronous and Asynchronous instruction.

**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

- 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.
- 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 MIC Technical fest AAGAMA
- 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 20 students. By this way, all the students of the college are benefited.
- The students who need psychological boosting and the students who are psycho-socially left out are provided psychological counseling by inviting the psychologists.
- Counseling seminars are conducted every year by renowned counselors to all the students, particularly at 1st and 2nd 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?**

- The college is a Wi-Fi enabled campus covering a radius of 0.5 km.
- Each department has an exclusive well equipped seminar hall and 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 knowhow to their students either in the classroom or arranging special lectures for this purpose.
- 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?

Library is the knowledge hub of any college. Our library offers the following services to augment the teaching-learning process.

- Internet access
- Reference books
- Book bank
- Multimedia service
- Digital library
- E- book , e- journals & e- lectures
- Previous examination question papers
- Reprographic Facility
- Online public access catalogue
- It is opened beyond working hours.

The college has a central library with a carpet area of 1080 sq.m. It is fully computerized using OPAC system. The resources available in the library are as listed below:

|                        |   |              |
|------------------------|---|--------------|
| • Titles               | : | 9360         |
| • Total No. of Volumes | : | 49179        |
| • e- Journals          | : | 568          |
| • Print Journals       | : | 111          |
| • Digital Library      | : | 50 computers |

**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 sometimes faced the following challenges:

- a) Due to late admissions at first year level, the instruction period is usually less. Faculty takes it as a challenge to complete the syllabus in time by conducting extra classes and also motivating the students to prepare on day to day basis.
- b) Sometimes 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, 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 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.

## 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 requirement of the curriculum

Table 2.4(a) Number of Teachers

| Highest Qualification | Professor |        | Associate Professor |        | Assistant Professor |        | Total |
|-----------------------|-----------|--------|---------------------|--------|---------------------|--------|-------|
|                       | Male      | Female | Male                | Female | Male                | Female |       |
| Permanent teachers    |           |        |                     |        |                     |        | 267   |
| D.Sc./D.Litt.         | -         | -      | -                   | -      | -                   | -      | -     |
| Ph.D.                 | 13        | 3      | 5                   | 1      | -                   | -      | 22    |
| M.Phil.               | -         | -      | 1                   | 1      | 4                   | 2      | 8     |
| PG                    | 1         | -      | 20                  | 6      | 108                 | 87     | 222   |
| Temporary teachers    |           |        |                     |        |                     |        | 15    |
| Ph.D.                 | -         | -      | -                   | -      | -                   | -      | -     |
| M.Phil.               | -         | -      | -                   | -      | -                   | -      | -     |
| PG                    | -         | -      | -                   | -      | -                   | -      | -     |
| Part-time teachers    | NIL       |        |                     |        |                     |        | -     |
| Ph.D.                 | -         | -      | -                   | -      | -                   | -      | -     |
| M.Phil.               | -         | -      | -                   | -      | -                   | -      | -     |
| PG                    | -         | -      | -                   | -      | -                   | -      | -     |

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.**

Table 2.4(b) Nomination to staff development programmes

| Academic Year | Staff Development Programs                     | ECE | CSE | EEE | MECH | BED | DMS |
|---------------|--|-----|-----|-----|------|-----|-----|
| 2016-17       | Refresher Courses                              | -   | 1   | -   | -    | -   | -   |
|               | HRD Programs                                   | -   | -   | -   | -    | -   | -   |
|               | Orientation Programs                           | 21  | 32  | -   | -    | -   | -   |
|               | Staff training conducted by the University     | -   | 9   | -   | -    | -   | -   |
|               | Staff training conducted by other institutions | -   | 4   | -   | -    | -   | -   |
|               | Summer/Winter schools, workshops etc           | 6   | -   | -   | -    | -   | -   |
| 2015-16       | Refresher Courses                              | -   | -   | -   | -    | -   | 1   |
|               | HRD Programs                                   | -   | -   | -   | -    | -   | -   |
|               | Orientation Programs                           | -   | 46  | -   | -    | -   | -   |
|               | Staff training conducted by the University     | 5   | 12  | 3   | 06   | 1   | -   |
|               | Staff training conducted by other institutions | 31  | 9   | 13  | 9    | 1   | 4   |
|               | Summer/Winter schools, workshops etc           | 23  | -   | 38  | 55   | -   | -   |
| 2014-15       | Refresher Courses                              | -   | -   | -   | -    | -   | -   |
|               | HRD Programs                                   | -   | -   | -   | -    | -   | -   |
|               | Orientation Programs                           | -   | 24  | -   | -    | -   | -   |
|               | Staff training conducted by the University     | 4   | 7   | -   | -    | -   | -   |
|               | Staff training conducted by other institutions | 5   | 13  | -   | 10   | 2   | 1   |
|               | Summer/Winter schools, workshops etc           | 45  | -   | 15  | 13   | -   | 1   |
| 2013-14       | Refresher Courses                              | -   | -   | -   | -    | -   | NIL |
|               | HRD Programs                                   | -   | -   | -   | -    | -   | NIL |

|                |  |           |    |          |           |          |            |
|----------------|--|-----------|----|----------|-----------|----------|------------|
|                | Orientation Programs                           | -         | 1  | -        | -         | -        | <b>NIL</b> |
|                | Staff training conducted by the University     | 1         | 9  | -        | -         | -        | <b>NIL</b> |
|                | Staff training conducted by other institutions | 2         | 21 | -        | <b>06</b> | <b>2</b> | <b>NIL</b> |
|                | Summer/Winter schools, workshops etc           | <b>39</b> | -  | <b>9</b> | <b>15</b> |          | <b>NIL</b> |
| <b>2012-13</b> | Refresher Courses                              | -         | -  | -        | -         | -        | <b>NIL</b> |
|                | HRD Programs                                   | -         | -  | -        | -         | -        | <b>NIL</b> |
|                | Orientation Programs                           | -         | -  | -        | -         | -        | <b>NIL</b> |
|                | Staff training conducted by the University     | -         | -  | -        | -         | <b>2</b> | <b>NIL</b> |
|                | Staff training conducted by other institutions | <b>8</b>  | -  | -        | -         | <b>6</b> | <b>NIL</b> |
|                | Summer/Winter schools, workshops etc           | <b>27</b> | -  | <b>6</b> | <b>19</b> | -        | <b>NIL</b> |

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

Handling new curriculum

Content/knowledge management

Selection, development and use of enrichment materials

Assessment

Cross cutting issues

Audio Visual Aids/multimedia

OER's

Teaching learning material development, selection and use

c) Percentage of faculty

- Invited as resource persons in Workshops/Seminars/ Conferences organized by external professional agencies
- Participated in external Workshops / Seminars / Conferences

recognized by national/ international professional bodies

- Presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies

#### **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 policy of the college is to organize one National/International conference annually and two workshops, two guest lectures per department /semester. Each faculty member must attend at least one seminar/conference/Faculty Development Programme /Workshop per annum externally. The institution also provides the faculty with the required support.

##### **Research Grant**

At least one research grant of one lakh is provided to each of the departments per annum. Faculty is permitted to utilize the seed money for initiating the work.

##### **Study Leave**

- Faculty members can avail research leave of 06 days per annum.
- Faculty members have been provided with a study leave of 30 days to complete their course work/audit course for research.
- A few faculty members availed a study leave of 45 days to complete their M.Tech. (Sequential Summer School) course work.

##### **Nomination to National/ International conferences/Seminars**

- Faculty members are eligible to avail On Duty Leave for attending Conferences/Workshops/ Seminars/ Symposia etc.
- Registration fee is sponsored for presenting papers in Conferences.
- On Duty leave is provided to act as a resource person in Conferences, to chair technical sessions and to act as a member in Board of Studies.
- Travelling expenses are reimbursed by the institution.

### In-Service training

- Faculty Development Programmes are regularly conducted at college.
- Faculty members are deputed for Faculty Development Programmes at reputed institutions.

Apart from the above, the faculty members are encouraged to participate in workshops, seminars, short-term training programmes and curriculum development orientations.

### Organizing national/International conferences

The policy of the college is to organize one National/International conference annually. The institution financially supports such events. All these initiatives keep the energy of the faculty high.

#### 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 institute is affiliated under JNTU Kakinada, The university is organizing the ratification process in this process the college has almost 70% ratified faculty. The College provides necessary infrastructure and other required support to encourage teachers to excel in their teaching / research. An environment conducive to academic growth encourages teachers to prove their mettle. Institute encourages by nominating best faculty in each department every year at the time of organizing college day in the month of February.

**Table 2.4 (c) Best faculty in institute from last four academic years**

| S. No | Name of Faculty      | Department        | Academic Year |
|-------|----------------------|-------------------|---------------|
| 1     | Dr B Seshu           | Basic Engineering | 2015-16       |
| 2     | Ch Vijaya Kumar      | Basic Engineering | 2012-13       |
| 3     | Dr A Anupama         | Basic Engineering | 2012-13       |
| 4     | K L Sarada           | Basic Engineering | 2012-13       |
| 5     | Dr. B Janaki Ramaiah | CSE               | 2015-16       |
| 6     | Mr. K Mahanthi       | CSE               | 2014-15       |
| 7     | Mr. D Varun Prasad   | CSE               | 2013-14       |

|    |                    |      |         |
|----|--------------------|------|---------|
| 8  | Ms. L KanyaKumari  | CSE  | 2012-13 |
| 9  | Dr A Guruva Reddy  | ECE  | 2015-14 |
| 10 | Dr.T.Vamsee Kiran  | EEE  | 2012-13 |
| 11 | Dr.A.V.Naresh Babu | EEE  | 2013-14 |
| 12 | K Srinivas         | MECH | 2011-12 |

**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, laboratory work and motivation of students.
- 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.
- Also the counselors allocated by HOD will interact with the students (1:20) to monitor their performance and collecting feedback personally to improve the performance of department.

## 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?

- Academic calendar, syllabus copy and handouts for each subject are provided to the students in the beginning of the semester.
- The students and their parents are informed about regulations and evaluation process of the programme is explained through orientation programs.
- The periodic instructions issued by the affiliating university are promptly communicated to the students.
- The faculty members explain to the students about credits, internals assessment and external assessment of the program in the classrooms.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- The evaluation is the integral part of teaching learning process. So, the institution has effective arrangements for the smooth execution of the rules about the evaluation processes.
- Staff meetings are conducted periodically to review the evaluation process.
- The evaluation process is communicated with students through counselors periodically.

### 2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are there forms 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 Objective Test assessment
- 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 evaluation criteria.
- On-line objective type examinations are conducted.
- Student centric learning through assignments, projects, seminars and practical sessions.

The major evaluation reforms initiated by the college are:

**Internal Assessment:**

- Out of 30 marks for internal assessment, 15 marks are for subjective tests, 10 marks for objective tests and 5 marks for assignments.
- For theory subjects, during the semester there shall be Two mid examinations. The first mid-term examination (subjective+ objective) shall be from the first three units of syllabus and second mid-term from the fourth, fifth and sixth units of the syllabus, conducted during the semester. The subjective examination is for 90 minutes duration conducted for 15 marks. Each objective test time is for 20 minutes test question paper shall contain 20 multiple choice question with a weightage of ½ mark each.
- The midterm marks (subjective + objective) shall be awarded giving a weightage of 15 marks out of 30 to the mid examination (subjective-15, objective-10).
- For theory subjects, during the semester assignments are conducted for 5 marks.

**External Assessment**

- Semester End Examination will have question under PART-A and PART-B with three hours duration for 70 marks.
- PART-A contains 6 mandatory questions from any part of the syllabus for 22 marks.
- PART-B has 5 questions (one from each unit).The student has to answer 3 out of 6 questions in PART-B and they carry 16 marks each.
- The pattern of semester end examination is given along with the syllabus of respective subject and has to be conducted for 70marks in university regulation book.

**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 following measures have been taken by the institution for continuous evaluation of students and for ensuring their progress and improved performance:

- Internal mid examinations (objective and subjective) are conducted twice in a semester.
- Students are given minimum 5 assignments, each with 3 to 5 questions for which maximum 5 marks will be awarded.
- Practical examination evaluation in the laboratory



- Internal evaluation for 25 marks:
  - ❖ Day to day performance for 15 marks
  - ❖ Internal examination for 10 marks
- External examination for 50 marks
- Students are counseled periodically through the counselors to improve the performance.
- 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 that is answer sheets, award lists etc. Class tests are taken and record is kept.
- Whenever slip 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 adapted 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.)**

**UG: B.Tech.**

- 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-10 regulation Internal and externals are conducted for 25 and 75 respectively.
- 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).
- The best among the two internals will be considered.
- Online examination is conducted by the University and marks are automatically registered at University database.

**PG: M.Tech.**

**PG: MBA & MCA**

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

**Graduate Attributes (GA) of the college:**

Graduate Attributes (GAs) form a set of individually assessable outcomes that are the components indicative of the graduate potential to acquire competence to practice at the appropriate level. The GAs are exemplars of the attributes expected of a graduate from an institution.

**The graduate attributes are:**

GA1: Engineering Knowledge

GA2: Problem Analysis

GA3: Design/ Development of solutions

GA4: Conduct Investigations of Complex Problems

GA5: Modern Tool Usage

GA6: The Engineer and Society

GA7: Environment and Sustainability

GA8: Ethics

GA9: Individual and Teamwork

GA10: Communication

GA11: Project Management and Finance

GA12: Life-long Learning

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

Programme Outcomes (POs):

Example: Electronics and Communication Engineering:

|      |   |
|------|---|
| PO1  | Graduates will be able to apply the principles of basic sciences, mathematics, and engineering fundamentals in finding solutions to complex problems. |
| PO2  | Graduates will acquire critical thinking skills, problem solving abilities, and familiarity with the computational procedures essential to the field. |
| PO3  | Graduates will be able to plan, analyze and design various types of systems required for technical advancements and societal needs.                   |
| PO4  | Graduates will be able to use research based knowledge to conduct experiments and interpret experimental data.  |
| PO5  | Graduates gain hands on experience in using latest software and hardware tools for obtaining solutions to engineering problems.                       |
| PO6  | Graduates will be able to apply knowledge gained to tackle societal, health, safety, legal and cultural issues.                                       |
| PO7  | Graduates will possess adequate knowledge required for sustainable development keeping in view environmental effects and real life problems.          |
| PO8  | Graduates will have professional ethics and the culture of practicing the established norms of engineering.   |
| PO9  | Graduates will acquire the capability of working productively as individuals, as members or leaders in teams in any environment                       |
| PO10 | Graduates will be able to articulate their ideas clearly with excellent communication skills and prepare technical reports                            |
| PO11 | Graduates will acquire knowledge required for project and finance management.   |
| PO12 | Graduates will have ability to engage in lifelong learning to keep abreast of ever changing technology.   |

Programme educational objectives are formulated as given below based on stake holder's feedback.

|      |   |
|------|---|
| PEO1 | To acquire cognizant fundamental knowledge in the subjects like engineering mathematics, physics & chemistry and basic engineering.         |
| PEO2 | To impart technical knowledge using modern tools and new technologies in order to design and develop products for societal needs.           |
| PEO3 | To develop leadership qualities and ability to work effectively in teams in diverse professions of varied technical/non technical services. |
| PEO4 | To inculcate research aptitude so as to engage in lifelong learning with ethical and holistic attitude.                                     |

The attainment of Graduate attributes is monitor through the attainment of programme outcomes the mapping of programme outcome with graduate attributes is as follows:

| Graduate Attributes/Programme Outcomes | P<br>O<br>1 | P<br>O<br>2 | P<br>O<br>3 | P<br>O<br>4 | P<br>O<br>5 | P<br>O<br>6 | P<br>O<br>7 | P<br>O<br>8 | P<br>O<br>9 | PO<br>10 | PO<br>11 | PO<br>12 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|----------|
| GA 1                                   | √           |             |             |             |             |             |             |             |             |          |          |          |
| GA 2                                   |             | √           |             |             |             |             |             |             |             |          |          |          |
| GA 3                                   |             |             | √           |             |             |             |             |             |             |          |          |          |
| GA 4                                   |             |             |             | √           |             |             |             |             |             |          |          |          |
| GA 5                                   |             |             |             |             | √           |             |             |             |             |          |          |          |
| GA 6                                   |             |             |             |             |             | √           |             |             |             |          |          |          |
| GA 7                                   |             |             |             |             |             |             | √           |             |             |          |          |          |

|       |  |  |  |  |  |  |  |   |   |   |   |   |
|-------|--|--|--|--|--|--|--|---|---|---|---|---|
| GA 8  |  |  |  |  |  |  |  | √ |   |   |   |   |
| GA 9  |  |  |  |  |  |  |  |   | √ |   |   |   |
| GA 10 |  |  |  |  |  |  |  |   |   | √ |   |   |
| GA 11 |  |  |  |  |  |  |  |   |   |   | √ |   |
| GA 12 |  |  |  |  |  |  |  |   |   |   |   | √ |

### 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 reassessment 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.

The result is declared within one month of the examination by university. Results are uploaded on the college website, kept available on the college LAN, and displayed on the notice boards of the departments.

The college has a separate Examination Cell headed by the Controller of Examinations (COE). For the smooth conduct of examination process it has an organizational structure.

Controller of Examinations

Officer In charge for Examinations

General Technical and Non-technical staff

**Pre-Examination Process:**

Timetables are generated by the examination cell for all the departments and are published a month in advance. OMR with a fixed Template (From the University), student lists, invigilator lists, and attendance sheets are prepared by the examination cell.

**Examination Process:**

Based on the registration of the students hall-wise attendance sheets and seating arrangements are made. The attendance sheets, seating plan and answer booklets are put together and handed over to the invigilators ½ hour before the commencement of examination.

The question papers will be handed over by the Controller of Examination and Asst. Controllers just 5 min before the commencement of examination as per room-wise strength.

Attendance sheets are collected from the halls after ½ hour of time.

After completion of the examination, answer booklets are collected from the invigilator by the Asst. Controllers and other staff.

Requirements are generated in advance and procured by the purchase department with the approval of the Principal.

A budget estimate of various expenditures towards invigilation, transport etc, is prepared by the Controller of Examination and approved by the Principal for further necessary action.

**Post Examination Process:**

After the collection of all answer booklets along with the attendance. The attendance database and it is matched with the OMR sheets for cross verification, they are sent to the university allotted centers for evaluation. There by university will take over the procedure to validate and for results display.

**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 programmes are published in college brochure, college website, student's handouts, Quests and newsletters of various departments.
- 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.
- The faculty members will be disseminating the same to the students during the first day of the respective courses.

**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.**

The Institution monitors and ensures the achievements of learning outcomes:

- Through Principal, HOD and Academic committee
- Through Module coordinator with subject teachers and class teacher
- Through system of continuous evaluation in both theory and lab subjects.
- Through the exit feedback, Alumni feedback and Employer's 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 extracurricular activities.
- Through student progress with respect to higher education such as GATE, GMAT, TOEFL, GRE etc.
- Through Project Assessments, Research, Development and Innovation.
- Through innovation in academics, placements, skill development training programmes.
- Through Leadership Capabilities, Massive Open Online Courses (MOOC) and finishing school Programmes.
- Through Guest Lectures, Seminars, Workshops.
- Quest, Departments Newsletters and Institutional events like AAGMA Technical fest.

### 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 following strategies are adopted at department and Institution level to achieve the learning outcomes:
- The college follows the academic calendar of the affiliating university.
- As per academic calendar, the faculty members prepare teaching plan, course file for the lectures, tutorial hours and laboratory hours.
- HOD submits the department events such as guest lectures, seminars, workshops and technical fest and other training programmes on par with the academic calendar.
- Subjects allotment, timetables, allotment of the administrative works to the staff members are planned before the commencement of the class work for each semester.
- The class time tables are prepared in such a way that the periods are assigned for all the theory and practical subjects in addition to the periods for association activities, pre-placement training, library, finishing school programme and sports.
- Information and Communication Technologies (ICT) is effectively used by the faculty members during delivering the lectures and seminars.

- Department wise associations organize various technical events to improve the quality of the teaching.
- Research and Development cells cultivate research environment among the staff members and students.
- Every year college organizes “A National level student technical paper and working model exhibition” (AAGAMA).
- Special attention is focused on application part of the subject and content beyond syllabus is delivered.

**Learning Strategies:**

- Handouts are provided to the students to know about learning outcomes, course outcomes, syllabus, lesson plans and questions (Both Objective type and Subjective type) for each and every course
- Tutorials are conducted for numerical, analytical, design and mathematical oriented subjects
- Assignments are given to the students for all the theory subjects.
- During seminar period the students prepare either a technical or general article and that will be delivered in the class.
- Through professional bodies and various events like: Engineer’s day and Teacher’s day e.t.c., conducts such as paper presentation, working models exhibition, technical quiz, e.t.c.
- E-learning materials and video courses are provided in the central library to enhance learning outcomes.
- Industrial tours are arranged to expose the students to practical pursuits.
- Mini projects / working models 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.
- Departments have MoUs with reputed organizations to do projects, industrial visits and training for practical exposure.

**Assessment Strategies:****Direct Assessment:**

- Performance evaluation through internal and external examinations in both theory and laboratory.
- Performance evaluation by conduct of tutorials and assignments.
- Performance evaluation in project work/seminars.

**Indirect Assessment:**

- Course end survey
- Faculty assessment survey
- Graduate survey
- Survey of Alumni
- Employer 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.
- In laboratory courses and theory courses on par with the university curriculum departments are conducting curriculum beyond experiments and concepts to cultivate research aptitude in order to develop societal needs.

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

The college collects the data on learning outcomes form the stake holders

By following the procedure given below:

- Course end survey is collected from the students to take corrective measures to improve the course outcomes
- 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 programme coordinator and class monitoring committees.
- Through system of continuous Direct (Internal performance and External Performance) and Indirect evaluation (Course end survey, Faculty assessment survey, Graduate survey and alumni survey) in both theory and lab subjects.
- Through the exit feedback and Employers feedback.
- Through the participation in working models and national level presentations.
- Through analysis of examination performance Higher education entrance tests.
- Through the various activities of NSS.
- Through the achievements of students in co-curricular and extracurricular activities.

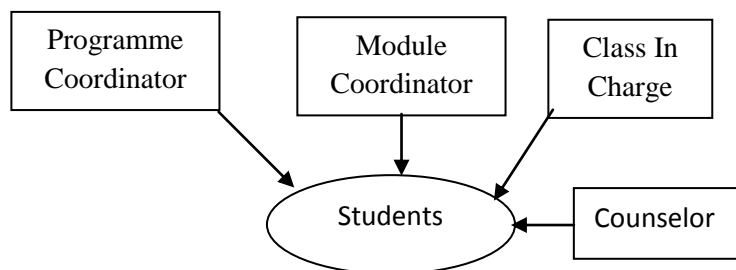
#### **2.6.7 Does the institution and individual teachers use assessment / evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples**

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

**Yes.**

Institution is following the hierarchy to evaluate and improve the student performance to achieve the learning objective and planning to improve the outcomes

The hierarchy includes the following faculty members and the responsibilities are



#### **Programme coordinator:**

- Interacts and maintains liaison with key stake holders, students, faculty, Department Head and employer.
- Monitor and reviews the activities of each year in program independently with course coordinators.
- Schedules program work plan in accordance with specifications of program objectives and outcomes.
- Oversees daily operations and coordinates activities of program with interrelated activities of other programs, departments or staff to ensure optimum efficiency and compliance with appropriate policies, procedures and specifications given by HOD.
- Conducts and interprets various surveys required to assess learning outcomes.

#### **Module coordinator:**

- Coordinates and supervise the faculty teaching the particular course in the module.
- Responsible for assessment of the course objectives and outcomes.
- Recommend and facilitate workshops, faculty development programs, meetings or conferences to meet the course outcomes.
- Analyzes results of particular course and recommends the Program coordinator and/or Head of the Department to take appropriate action.
- Liaise with students, faculty, program coordinator and Head of the Department to determine priorities and policies.

#### **Class in charge**

- Monitor the daily time tables
- Class adjustments activates by monitoring the syllabus completion

- Communicate with module coordinator, programme coordinator and Head of the department to monitor the class activities weekly.
- Liaise with students to improve the course and learning outcomes.

**Counselor:**

Programme coordinator will assign the counselors in each class to monitor their attendance, performance in internal and external examinations, participation in co circular and extra circular activities and personal suggestion. Using these measures the students can be arranged in best path to improve the outcomes of the programme.

# **CRITERION-III**

**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?**

As of now the Institution is not recognized as a research center by the affiliating university, JNTU Kakinada. However, Application is being made to JNTUK to recognize the institute as a research center.

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

Yes, the college has a research committee to monitor and address the issues of research in engineering, management and sciences.

The research committee consists of Principal as a chairman R&D, Head (R&D) as a co-ordinator and members are from each department. Following is the list of committee members at present.

**Table.3.1. Details of the research committee**

| Sl. No. | Name, Designation & Department                           | Rank in the Committee |
|---------|--|-----------------------|
| 1       | Dr. Y. SudheerBabu, Principal                            | Chairman              |
| 2       | Dr. A.V. NareshBabu, Professor, EEE                      | Coordinator           |
| 3       | Dr.M.Srinivasa Rao, Professor & Head, Mechanical Engg.   | Member                |
| 4       | Dr. P. Srinivasulu, Professor, CSE                       | Member                |
| 5       | Dr. M. Kaladhar, Professor, Mechanical Engg.             | Co-opted Member       |
| 6       | Dr. B. Seshu, Professor, Physics                         | Co-opted Member       |
| 7       | Mr. B. Srinivasa Raja, Associate Professor, ECE          | Co-opted Member       |
| 8       | Mr. N. V. Subba Rao, Associate Professor, Civil Engg.    | Co-opted Member       |
| 9       | Dr. P.V. Srinivasa Rao, Associate Professor, Mathematics | Co-opted Member       |
| 10      | Dr. Tirumala Prasad, Associate Professor, Chemistry      | Co-opted Member       |
| 11      | Dr. G. Prasanna Kumar, Associate Professor, DMS          | Co-opted Member       |
| 12      | Mr. G. Ashok Vardhan, Assistant Professor, English       | Co-opted Member       |

**Functions of research committee:**

- To create awareness on research among Faculty.
- To identify thrust areas of research
- To advise, encourage, review and monitor the progress of research & development in the institute along with consultancy.



- To provide research related information like Ph.D. notifications, workshops, conferences, research funding sources, deadlines for application etc.
- To review and monitor academic research (Ph. D. works etc.)
- To provide guidelines to publish papers in journals and conferences
- To recommend to management and arrange for internal funding and adequate infrastructure support.
- To scrutinize minor/major research project proposals for forwarding to sponsored funding bodies like UGC, DST and DRDO etc.
- To advise and encourage departments to organize seminars/ workshops/ conferences.
- To help establish technology incubation centers and research centers.
- To encourage researchers to patent their research outcomes and to solve societal problems.

#### **Recommendations of research committee:**

It is recommended

- To conduct and participate seminars/workshops/FDPs/Conferences on advanced topics in the college to promote research.
- To visit the research laboratories in various reputed institutions and industry.
- To submit proposals for minor and major research projects.
- To motivate the faculty and students to present research papers in conferences and journals.
- To identify the emerging areas in technology and science to develop facilities and infrastructure in the college.
- To motivate faculty to pursue higher studies leading to Ph.D. and post-doctoral fellow.

#### **Impact of the recommendations:**

- Many faculty have been registered for Ph.D. and completed successfully.
- The faculty publications have been improved in national and international conferences/journals.
- Workshops have been organized in the departments in various emerging technologies.
- There has been improvement in membership registrations in professional societies like ISTE,IE(I),IEEE,IETE,CSI,ASM etc.
- Additional equipment have been procured for existing laboratories to promote research activities.
- Separate department R&D centers have been established.

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

- 3.1.3.1 Autonomy to the principal investigator: Yes
- 3.1.3.2 Timely availability or release of resources: Yes
- 3.1.3.3 Adequate infrastructure and human resources: Yes
- 3.1.3.4 Time-off, reduced teaching load, special leave etc. to teachers: Yes
- 3.1.3.5 Support in terms of technology and information needs: Yes
- 3.1.3.6 Facilitate timely auditing and submission of utilization certificate to the funding authorities: Yes

### 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 research committee to promote research activities.
- Seminar, workshops and Guest lectures are arranged to create awareness and interest among the students.
- The students are encouraged to participate in different Tech-fests, Science fairs and Technical paper competitions.
- Digital library has been setup with subscription to several standard journals and video lessons by NPTEL.
- The college has provided infrastructure facilities, space for department research centers, procurement of equipment and software.
- The college has also provided seminar halls and e-classrooms with LAN connection facility, LCD projectors and audio-visual arrangements.

### 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.

- a) Faculty involved in guiding student research
  - Faculty guide PG students for their projects/publish papers in national & international journals. Some of the faculty members with Ph.Ds also guide for their research leading to award of Ph.D/M.Phil.
- Some of the faculty have registered as supervisors in different universities to guide research scholars.

**Table.3.2. Details of research supervisors**

| S.No. | Department | Name of the faculty  | Details of the Research Scholar                                     |
|-------|------------|----------------------|---|
| 1     | EEE        | Dr.T.Vamsee kiran    | Mr. K.N.Swamy<br>JNTUK - 2015,<br>Mr. P.Ramesh Babu<br>JNTUK - 2015 |
|       |            | Dr. A.V. Naresh Babu | Mr. A. V. Ravi kumar,<br>JNTUK, 2015                                |
| 2     | ECE        | Dr A Guruva Reddy    | Ch Pulla Rao<br>JNTU K 2013   |
|       |            |                      | P Rakesh Kumar<br>JNTUK 2013  |
|       |            |                      | Ch Srinivas<br>JNTUK 2013   |
| 3     | CSE        | Dr.A.Jaya Lakshmi    | Mr.T.Naresh Chandra<br>Mouli, KLU 2014.                             |
|       |            |                      | Mr.Sk.Masthan Babu,<br>KLU,2014                                     |
|       |            |                      | Mr.G.V S Prasad,<br>KLU,2014  |
|       |            |                      | Mr.G.Balu Narasimha Rao,<br>KLU 2015.                               |

- With the continuous encouragement provided by the institution, faculty completed their M.Phil/Ph.D and few are pursuing M.Phil/Ph.D. The details are given in Table.3.3

**Table.3.3. Details of faculty registered for Ph.D/ M.Phil:**

| Department of CIVIL |                        |  |          |
|---------------------|------------------------|--|----------|
| S.No.               | Name of the faculty    | University details                     | Status   |
| 1                   | Mr N.V.Subba Rao       | Ph.D., Andhra University               | Pursuing |
| Department of EEE   |                        |  |          |
| S.No.               | Name of the faculty    | University details                     | Status   |
| 2                   | Mr. G. Vijaya Kumar    | Ph.D, JNTUA,<br>Anantapuramu           | Pursuing |
| 3                   | Mr. B.R .Narendra      | Ph.D, MEWAR,<br>Chittorgarh, Rajasthan | Pursuing |
| 4                   | Mr. A.V. Ravi Kumar    | Ph.D, JNTUK, Kakinada                  | Pursuing |
| 5                   | Mr. M.Nageswara rao    | Ph.D, JNTUK, Kakinada                  | Pursuing |
| 6                   | Mr. P. Pradeep         | Ph.D, JNTUH, Hyderabad                 | Pursuing |
| 7                   | Mr. N. Rajesh Babu     | Ph.D, JNTUK, Kakinada                  | Pursuing |
| 8                   | Mr. K. Narasimha swamy | Ph.D, JNTUK, Kakinada                  | Pursuing |
| Department of ME    |                        |  |          |
| S.No.               | Name of the faculty    | University details                     | Status   |
| 9                   | Mr. K.Srinivas         | Ph.D, JNTUH, Hyderabad                 | Pursuing |
| 10                  | Mr. D.V.Siva Reddy     | Ph.D, NIT, Warangal                    | Pursuing |
| 11                  | G.Sulochana            | Ph.D, Andhra University                | Pursuing |
| 12                  | V.Rama Krishna Rao     | Ph.D, ANU                              | Pursuing |
| 13                  | R.Ranjith kumar        | Ph.D, ANU                              | Pursuing |

|                          |                            |                                    |               |
|--------------------------|----------------------------|------------------------------------|---------------|
| 14                       | Ch.Anil kumar              | Ph.D, JNTUK, Kakinada              | Pursuing      |
| 15                       | K.Supriya                  | Ph.D, ANU                          | Pursuing      |
| <b>Department of ECE</b> |                            |                                    |               |
| <b>S.No.</b>             | <b>Name of the faculty</b> | <b>University details</b>          | <b>Status</b> |
| 16                       | D Prabhakar                | Ph.D., Andhra University           | Pursuing      |
| 17                       | M Madhavi                  | Ph.D., JNTUK, Kakinada             | Pursuing      |
| 18                       | B Srinivas Raja            | Ph.D., ANU, Guntur                 | Pursuing      |
| 19                       | M Adisheshaiah             | Ph.D., JNTUK, Kakinada             | Pursuing      |
| 20                       | Muzammil Parvez            | Ph.D., Bharath University          | Pursuing      |
| 21                       | M Gopala Krishna           | Ph.D., JNTUK, Kakinada             | Pursuing      |
| 22                       | KVV Kumar                  | Ph.D., KL university               | Pursuing      |
| 23                       | VVS Murthy                 | Ph.D., ANU, Guntur                 | Pursuing      |
| 24                       | Ch Pulla Rao               | Ph.D., JNTUK, Kakinada             | Pursuing      |
| 25                       | N Veeraiah                 | Ph.D., JNTUK, Kakinada             | Pursuing      |
| <b>Department of CSE</b> |                            |                                    |               |
| <b>S.No.</b>             | <b>Name of the faculty</b> | <b>University details</b>          | <b>Status</b> |
| 26                       | Mr. A.Rama Satish          | Ph.D,ANU,Guntur                    | Pursuing      |
| 27                       | Mr.D.Prasad                | Ph.D,AU,Vizag                      | Pursuing      |
| 28                       | Mrs.G.Kalyani              | Ph.D,ANU,Guntur                    | Pursuing      |
| 29                       | Mrs.L.KanyaKumari          | Ph.D,KLU,Guntur                    | Pursuing      |
| 30                       | Mrs.A.Anuradha             | Ph.D,ANU,Guntur                    | Pursuing      |
| 31                       | Mr.A.Prashant              | Ph.D,VIT,Vellore                   | Pursuing      |
| 32                       | Mrs.R.Sri Lakshmi          | Ph.D,KLU,Guntur                    | Pursuing      |
| 33                       | Mr.N.Sri Hari              | Ph.D,KLU,Guntur                    | Pursuing      |
| 34                       | Ms. V Sri Lakshmi          | Ph.D, ANU, Guntur                  | Pursuing      |
| 35                       | Mr. GDK Kishore            | Ph.D, Krishna University           | Pursuing      |
| 36                       | Mr. D Durga Prasad         | Ph.D, Rayalaseema University       | Pursuing      |
| <b>Department of BED</b> |                            |                                    |               |
| <b>S.No.</b>             | <b>Name of the faculty</b> | <b>University details</b>          | <b>Status</b> |
| 37                       | R.Lakshmi                  | Ph.D., Dravidian University Kuppam | Pursuing      |
| 38                       | K.L.Sarada                 | Ph.D., ANU, Guntur                 | Pursuing      |
| 39                       | L.N.V.H.Somasundar         | Ph.D., ANU, Guntur                 | Pursuing      |
| 40                       | M.Rupalavanya              | M.Phil, ANU, Guntur                | Pursuing      |
| 41                       | K.Uma                      | Ph.D., ANU, Guntur                 | Pursuing      |
| 42                       | G.Ashokvardhan             | Ph.D., ANU, Guntur                 | Pursuing      |
| 43                       | V.Pawel                    | Ph.D., ANU, Guntur                 | Pursuing      |
| 44                       | B.Praveena                 | M.Phil, ANU, Guntur                | Pursuing      |
| 45                       | V.Suneetha                 | M.Phil, ANU, Guntur                | Pursuing      |
| 46                       | Sujatha Agarwal            | M.Phil, ANU, Guntur                | Pursuing      |
| 47                       | V.Manjula                  | Ph.D., KL University               | Pursuing      |
| 48                       | N.RaviBabu                 | Ph.D., ANU, Guntur                 | Pursuing      |
| 49                       | K.Anil kumar               | M.Phil, ANU, Guntur                | Pursuing      |
| 50                       | Y.Pavani                   | M.Phil, ANU, Guntur                | Pursuing      |
| 51                       | S.B.C.Prasad               | Ph.D., ANU, Guntur                 | Pursuing      |
| <b>Department of DMS</b> |                            |                                    |               |
| <b>S.No.</b>             | <b>Name of the faculty</b> | <b>University details</b>          | <b>Status</b> |
| 52                       | Mr. CVVD Sreekanth         | Ph.D., ANU, Guntur                 | Pursuing      |

|    |                        |                               |          |
|----|------------------------|-------------------------------|----------|
| 53 | Mr. JV Ramana          | Ph.D., Rayalaseema University | Pursuing |
| 54 | Mrs. P. Vasavi         | Ph.D., Nagpur University      | Pursuing |
| 55 | Mr. Shaik. Abdul Azeem | Ph.D., ANU, Guntur            | Pursuing |
| 56 | Mr. P. Guru Prasad     | Ph.D., ANU, Guntur            | Pursuing |
| 57 | Mr. T. Nagendra Kumar  | Ph.D., ANU, Guntur            | Pursuing |
| 58 | Mrs. K. Jagadeeswari   | Ph.D., Krishna University     | Pursuing |
| 59 | Mrs. A. Aruna Kumari   | Ph.D., ANU, Guntur            | Pursuing |
| 60 | Mrs. L. Mohana Kumari  | Ph.D., ANU, Guntur            | Pursuing |
| 61 | Mrs. B. Gayatri        | Ph.D., ANU, Guntur            | Pursuing |

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

The college organizes department-wise workshops, training programmes and seminars to create research interest among the faculty and students. The details of various programmes organized by the institute are given in the Table 3.4

**Table 3.4. Workshops/ Seminars/ Guest lecture organized by the institute**

| Department of CIVIL |               |                                  |   |  |   |
|---------------------|---------------|----------------------------------|---|--|---|
| S.No                | Academic Year | Workshop/ Seminar/ Guest lecture | Topic   | Resource person  | Date(s) of event                            |
| 1                   | 2016-17       | FDP                              | FDP on “Advance Software Training Programme in Civil Engineering (E- Tabs)”               | Mr.Shivaraj, Technical Manager(Civil), ARK Solutions,HYD | 18 <sup>th</sup> &19 <sup>th</sup> Nov-2016 |
| Department of EEE   |               |                                  |   |  |   |
| S.No                | Academic Year | Workshop/ Seminar/ Guest lecture | Topic   | Resource person  | Date(s) of event                            |
| 1                   | 2016-17       | Seminar                          | A Seminar on “Circuit Breaker Design , Operation & Maintenance”                           | Mr. B.Raju ADE KTPS, TSGENCO                             | 15 <sup>th</sup> July- 2016                 |
| 2                   | 2016-17       | Seminar                          | A Seminar on “Spectrum of Switchgear & protection”  | Mr.Ch.Sriprakash SE, Dr. NTPS, AGENCO                    | 15 <sup>th</sup> Sep- 2016                  |
| 3                   | 2016-17       | Guest lecture                    | Lecture on Michael Faraday  | Dr. Y.Sudheer Babu, Principal, MICT                      | 22 <sup>nd</sup> Sep- 2016                  |
| 4                   | 2015-16       | Seminar                          | A Seminar on “Recent Trends in Maintenance of Substations by APTRANSCO”                   | Mr.J.Venkateswara Rao, ADE, APTRANSCO                    | 27 <sup>th</sup> July- 2015                 |
| 5                   | 2015-16       | Seminar                          | A Seminar on “Mitigation of Sub synchronous resonance in thermal power plants using FACTS | Mr.D.Koteswara Raju, Research Scholar, NIT-Nagpur        | 3 <sup>rd</sup> Aug- 2015                   |

|    |         |               |  |  |   |
|----|---------|---------------|--|--|---|
|    |         |               | Devices”   |  |   |
| 6  | 2015-16 | Workshop      | A Two day National workshop on “Computer Aided Analysis of Power Converters” | Dr. P.Sankar, PhD (NIT-T), Vishnu Inst. Of Technology, Bhimavaram  | 13 <sup>th</sup> &14 <sup>th</sup> Aug-2015 |
| 7  | 2015-16 | FDP           | FDP on “Role of Lab View in Developing Engineering Solutions”                | Mr.Bhuvnesh & Mr.Rajasekaram, National Instruments   | 26 <sup>th</sup> -28 <sup>th</sup> Nov-2015 |
| 8  | 2015-16 | Seminar       | Energy Conservation Day [IEI]  | Dr.K.R.Madhu Kumar, DE, APGENCO  | 14 <sup>th</sup> Dec-2015                   |
| 9  | 2014-15 | Workshop      | A one Day workshop on MATLAB/SIMULINK  | Dr.T.Vamsee Kiran Prof & HOD<br>Dr.A.V.Nraresh Babu, Prof.   | 18 <sup>th</sup> July-2014                  |
| 10 | 2014-15 | Seminar       | A seminar on Role of Smart Grids in Smart Cities                             | Mr.S.Charan Teja Research Scholar IIT Hyderabad  | 14 <sup>th</sup> August-2014                |
| 11 | 2014-15 | Seminar       | A seminar on Role of the Electrical Engineer in Industry(Engineers Day)      | Mr.Ch.Sriprakash, SE, Dr.NTPS, APGENCO   | 15 <sup>th</sup> Sept-2014                  |
| 12 | 2014-15 | Workshop      | A Two Day workshop on Power Electronic Converters                            | Dr.T.Vamsee Kiran Prof&HOD<br>Dr.A.V.Nraresh Babu Prof.  | 7 <sup>th</sup> -8 <sup>th</sup> Nov-2014   |
| 13 | 2014-15 | Seminar       | A seminar on Energy Conservation   | Mr.D.Kiran Kumar, ADE, APGENCO   | 13 <sup>th</sup> Dec-2014                   |
| 14 | 2014-15 | Guest Lecture | Guest Lecture on Coal Fired Steam Power Generation                           | Mr.T.V.V.Sivarama Kumar ADE<br>Dr.NTPS, APGENCO  | 20 <sup>th</sup> March-2015                 |
| 15 | 2014-15 | FDP           | FDP on Optimization Techniques   | Dr.V.Pandu Rangarao Asst. Prof IITBhu, Dr.R.Satish Babu Asst.Prof NITW, Dr.T.Vamsee Kiran Prof&HOD<br>Dr.A.V.Nraresh Babu Prof., Mr.M Srinivasarao Research Scholar NITW | 25 <sup>th</sup> -30 <sup>th</sup> May-2015 |
| 16 | 2013-14 | Workshop      | A one Day workshop on AC&DC Machine Modeling using MATLAB/SIMULINK           | Dr.T.Vamsee Kiran Prof & HOD Department of EEE   | 2 <sup>nd</sup> Aug-2013                    |
| 17 | 2013-14 | Seminar       | A seminar on Power Scenario in India   | Mr.P.D.Srinivas, AE, Dr. NTPS, APGENCO   | 14 <sup>th</sup> Sept-2013                  |

| 18                      | 2013-14       | Workshop                               | A Two Day workshop on Artificial Intelligence Techniques          | Dr.T.Vamsee Kiran,<br>Prof & HOD<br>Dr.A.V.Nraresh Babu<br>Prof.  | 8 <sup>th</sup> -9 <sup>th</sup><br>Nov-2013   |
|-------------------------|---------------|--|---|---|--|
| 19                      | 2013-14       | Seminar                                | A seminar on Energy Conservation                                  | Mr.J.Venkateswara<br>Rao, ADE<br>APTRANSCO  | 14 <sup>th</sup> Dec-<br>2013                  |
| 20                      | 2013-14       | Guest Lecture                          | Guest Lecture on Digital Distributed Control Systems              | Mr.B.Uday, ADE<br>APGENCO   | 1 <sup>st</sup> March-<br>2014                 |
| 21                      | 2013-14       | FDP                                    | FDP on Modeling & Simulation of Power Systems                     | Dr.J.Amarnath<br>Dr.V.Purna Chandra<br>Rao,<br>Dr.A. Srinivasa<br>Reddy ,<br>Mr.Ch.Sriprakash,<br>SE, APGENCO | 2 <sup>nd</sup> -5 <sup>th</sup><br>June-2014  |
| 22                      | 2012-13       | Seminar                                | A seminar on Opportunities for EEE students                       | The GATE Academy  | 15 <sup>th</sup> Sept-<br>2012                 |
| 23                      | 2012-13       | Seminar                                | A seminar on Energy Conservation Schemes in Lighting & Industries | Mr.B.Ramakrishna<br>ADE, APTRANSCO  | 14 <sup>th</sup> Dec-<br>2012                  |
| 24                      | 2012-13       | Guest Lecture                          | Guest Lecture on Excitation Systems in Power Generation Plants    | Mr.A.Nagaraju, ADE<br>APGENCO   | 20 <sup>th</sup> March-<br>2013                |
| 25                      | 2012-13       | FDP                                    | FDP on Recent Trends in Electrical Engineering                    | Dr.T.Vamsee Kiran<br>Prof & HOD<br>Dr.A.V.Nraresh Babu<br>Prof.   | 27 <sup>th</sup> -31 <sup>st</sup><br>May-2013 |
| <b>Department of ME</b> |               |  |   |   |  |
| S.No.                   | Academic Year | Workshop/<br>Seminar/<br>Guest lecture | Topic   | Resource person   | Date(s) of event                               |
| 1                       | 2016-17       | Workshop                               | Recent Trends In Mechanical Engineering                           | K.Srinivas  | 29-08-2016<br>to<br>03-09-2016                 |
| 2                       | 2016-17       | Workshop                               | Application Of NDT In Various Industries                          | G.Vijay kumar<br>Vijayawada,auto<br>nagar, managing<br>partaner future<br>NDT                                 | 14,15-12-<br>2016                              |
| 3                       | 2016-17       | Workshop                               | Research guidelines and methodologies                             | Dr.SIVA PRASAD<br>NANDYALA,DST<br>specialist, TATA<br>limited   | 31-10-2016                                     |
| 4                       | 2016-17       | FDP                                    | MAT LAB   | Dr.T.Vamsee Kiran<br>Prof&HOD   | 10,<br>11-11-16                                |
| 5                       | 2016-17       | Workshop                               | Effective Teaching Skills   | Pro .M.L.SAI<br>KUMAR   | 18-11-2016                                     |



| 6                        | 2016-17       | Workshop                               | Principles of Effective Teaching And Learning                                       | Dr.B.SESHU  | 06-12-2016   |
|--------------------------|---------------|--|---|---|--|
| 7                        | 2016-17       | Workshop                               | Non Destructive Testing   | B.SRINIVAS<br>Asso.Professor<br>Department Of<br>Mechanical<br>Engineering in hyd   | 16-09-2016   |
| 8                        | 2016-17       | Workshop                               | QURDCROTER  | IIT ALUMINI   | 29,<br>30-9-2016   |
| 9                        | 2015-16       | Workshop                               | Research Problems and Solving Techniques in Materials and Manufacturing Engineering | Dr.N.Venkaiah<br>Dr.A.Venigopal<br>Dr.L.Survan Raju<br>DrT.Vamsikiran<br>DrA.V.Naresh Babu<br>Dr.T.Sunil Kumar<br>Dr.M.Kaladhar<br>Dr.M.Srinivasa Rao | 29-08-2016<br>to<br>03-09-2016   |
| 10                       | 2015-16       | Guest Lecture                          | Applications of First Law of Thermodynamics   | Dr.A.V.SS.K.Gupta<br>Controller of<br>Exminations of<br>JNTU-H  | 07-01-2016   |
| 11                       | 2015-16       | Guest Lecture                          | Second Law of Thermodynamics  | DR.G.L.Samuel   | 09-03-2016   |
| 12                       | 2014-15       | Guest Lecture                          | Recent Trands In Additive Manufacturing   | P.N.RAO from USA  | 01-08-2015   |
| 13                       | 2013-14       | Guest Lecture                          | Nuclear Industry  | Dr.G.V.Rama Rao<br>Scientist G from<br>BAARC  | 24-07-2013   |
| 14                       | 2013-14       | Workshop                               | Robotics  | PARK LAB  | 18,<br>19-11-2013  |
| 15                       | 2012-13       | Guest Lecture                          | CFD   | Prof. Sanaka Prasad   | 09-08-2012   |
| 16                       | 2012-2013     | Guest Lecture                          | Introduction About Robotics   | K.Santhosh Babu<br>Design Engineer<br>FABMAX  | 07-09-2012   |
| <b>Department of ECE</b> |               |  |   |   |  |
| S.No.                    | Academic Year | Workshop/<br>Seminar/<br>Guest lecture | Topic   | Resource person   | Date(s) of event   |
| 1                        | 2016-17       | Workshop                               | Latest Telecom Technologies   | K.N. S H Prasad<br>DGM<br>Sri P. Raju<br>SDE ,BSNL  | 22 <sup>nd</sup> 23 <sup>rd</sup> -<br>24 <sup>th</sup> sep<br>2016                  |
| 2                        | 2016-17       | Workshop                               | PCB Design  | A.Govinda Rao   | 2 <sup>nd</sup> ,3 <sup>rd</sup> ,26 <sup>th</sup> ,<br>27 <sup>th</sup> Dec<br>2016 |



|   |         |          |  |  |   |
|---|---------|----------|--|--|---|
| 2 | 2015-16 | Workshop | Two day National Workshop On “Payload design system for balloon satellite Launch”                    | Sidhant Dhall,<br>Director, ARDL<br>Ayush Patrawari,<br>Director, ARDL<br>Gaurav Achha, Co<br>Founder,<br>ARDL Triyambak<br>Tripathy, Co<br>Founder, ARDL  | 27 <sup>th</sup> & 28 <sup>th</sup><br>Sep’2015 |
| 3 | 2014-15 | Workshop | A National level workshop on Advanced Biomedical signal processing and its applications (SERB)       | Dr.N.S.Murthy,<br>Professor, NIT<br>Warangal<br>Dr.Shaik Rafi<br>Ahamed, Associate<br>Professor, IITG<br>Guwahati<br>Dr.S.Muttan,<br>Professor, Anna<br>University, Chennai<br>Dr.B.Chandramohan,<br>Professor, Bapatla<br>Engineering College,<br>Bapatla   | 29 &<br>30-06-2015                              |
| 4 | 2014-15 | Workshop | A National level workshop on Recent trends in Signal Processing and Communication Engineering (SERB) | 1. Dr.M.Y.S Prasad,<br>Distinguished<br>Scientist,<br>Director<br>SDSC::SHAR.<br>Dr. S. Srinivas<br>Kumar,<br>Director, R&D,<br>JNTUK, Kakinada.<br>Dr.Rama Rao C B,<br>Professor,<br>NIT, Warangal.<br>Dr.B.Chandra<br>Mohan,<br>Professor&DeanAdm<br>inistration,<br>Bapatla Engineering<br>College. | 19 <sup>th</sup> &<br>20-06-2015                |
| 5 | 2013-14 | Workshop | A two day workshop on Recent trends and scope for research in signal processing and communications   | 1. Dr. MYS Prasad,<br>Director SDSC<br>SHAR<br>2..Dr.N.V.S.N.Sharm<br>a, Professor<br>Electronics&Comm<br>unications Engineering<br>NIT Warangal<br>3. Dr.Rama Rao C B,<br>Professor, NIT,   | 27 <sup>th</sup> & 28 <sup>th</sup><br>Aug’ 14  |

|                          |                  |  |   | Warangal.<br>4.Dr.B.ChandraMohan,Professor&Dean,<br>Administration<br>Bapatla Engineering<br>College              |   |
|--------------------------|------------------|--|---|---|---|
| 6                        | 2013-14          | Seminar                                | One Day Seminar On<br>Trends in VLSI Design &<br>DSP Architecture               | Dr. N.S.Murthy,<br>Professor,NIT<br>Warangal.   | 5 <sup>th</sup> July-<br>2014                     |
| 7                        | 2012-13          | Workshop                               | A One day Workshop on<br>ARM7   | 1.Mr.P.Satyanarayana<br>2.Mr.Venkat<br>3.Ms.Navyasri,<br>R & D Engineers,<br>MCN Technologies,<br>Vijayawada      | 13 <sup>th</sup> March<br>2013                    |
| 8                        | 2012-13          | Workshop                               | A five day workshop on<br>PIC microcontroller                                   | 1.Ms.Navyasri,<br>2.Ms.Madhumala<br>3.P.Satyanarayana<br>R & D Engineers,<br>MCN                                  | 19 <sup>th</sup> to 23 <sup>rd</sup><br>July 2013 |
| 9                        | 2012-13          | Workshop                               | A Two Day workshop on<br>PCB Design   | 1.Mr.R.Naveen<br>kumar,<br>2.Ms.Madhumala,<br>3.Mr.Govind,<br>R & D Engineers,<br>MCN Technologies,<br>Vijayawada | 24 <sup>th</sup> & 25 <sup>th</sup><br>July 2013  |
| <b>Department of CSE</b> |                  |  |   |   |   |
| S.No.                    | Academic<br>Year | Workshop/<br>Seminar/<br>Guest lecture | Topic   | Resource person   | Date(s) of<br>event                               |
| 1                        | 2015-16          | FDP                                    | Soft Computing Techniques<br>for Engineering<br>Applications                    | Dr.Suresh Chandra<br>satapathy  | 25 <sup>th</sup> ,26 <sup>th</sup><br>Feb 2016    |
| 2                        | 2015-16          | FDP                                    | Essentials of Visual<br>Modeling and Rational<br>Software Architecture<br>(RSA) | Mr.T.Venu,<br>IBM   | 24-05-2016<br>to 28-05-<br>2016                   |
| 3                        | 2015-16          | FDP                                    | Network Analysis using<br>NS3 Tool for Designing,<br>Testing and Implementation | Dr.Mohith p.<br>tahiliani,<br>Mrs.Manasa.S  | 27 <sup>th</sup> ,28 <sup>th</sup><br>Nov 2015    |
| 4                        | 2015-16          | Seminar                                | Android Application<br>Development  | Mr A Rama Satish  | 21/08/2015<br>22/08/2015                          |
| 5                        | 2015-16          | Workshop                               | UI Design and Web<br>Development  | Mr P Srikanth   | 08/10/2015<br>09/10/2015                          |
| 6                        | 2015-16          | Workshop                               | Workshop on “.net<br>Training”  | Mr K.Madhu  | 19/01/2016<br>20/01/2016<br>21/01/2016            |
| 7                        | 2014-15          | Seminar                                | Career Objectives   | Md. Abdulla   | 14/11/2014  |
| 8                        | 2014-15          | Seminar                                | SEAMIC EVENTS   | Department<br>Coordinator   | 23/01/2015<br>,                                   |

|                          |         |               |  |   |                                |
|--------------------------|---------|---------------|--|---|--------------------------------|
|                          |         |               |  |   | 24/01/2015                     |
| 9                        | 2014-15 | Seminar       | MOCK CRT TEST  | COIGN Technologies  | 28/01/2015                     |
| 10                       | 2014-15 | Workshop      | TCS interview process  | FACE Academy  | 10/02/2015                     |
| 11                       | 2014-15 | Seminar       | How to crack TCS interview process                                       | Mr KS Mohan   | 14/02/2015<br>,<br>15/02/2015  |
| 12                       | 2014-15 | Seminar       | Industry Institute Interface   | Mr KRSR Krishna   | 18/04/2015                     |
| 13                       | 2014-15 | Seminar       | ORACLE SQL & PL/SQL  | Mr Manikanta D  | 24/04/2015<br>,<br>25/04/2015  |
| 14                       | 2013-14 | Workshop      | Android Application Development  | Mr Vijay kumar  | 07-06-13,<br>08-06-13          |
| 15                       | 2013-14 | Workshop      | Android Application Development  | Mr A Rama Satish  | 08-07-13,<br>09-07-13          |
| 16                       | 2013-14 | Workshop      | Android Application Development  | Mr Sisir Kumar  | 08-07-13,<br>09-07-13          |
| 17                       | 2013-14 | Workshop      | APPLE iOS  | Mr Hemath Alluri  | 30-07-13                       |
| 18                       | 2013-14 | Seminar       | Orientation on SDLC”   | Project Manager   | 26-10- 13                      |
| 19                       | 2013-14 | Workshop      | APPLE iOS  | Mr Hemath Alluri  | 6-11-13 to<br>09-11-2013       |
| 20                       | 2013-14 | Seminar       | Emerging Technologies and Projects Development                           | Mr.T Sri Rama Subbarao  | 22-11-13                       |
| 21                       | 2012-13 | FDP           | Advanced Computer Architecture   | Dr. P Anupama<br>Dr. M Rajashekara Babu,<br>Dr. G Lakshmi Madhumathi, | 22/04/2013<br>to<br>27/04/2013 |
| 22                       | 2012-13 | FDP           | MISSION-10X (High Impact Teaching Skills)                                | WIPRO   | 10/04/2012<br>to<br>14/04/2012 |
| 23                       | 2012-13 | Guest lecture | Recent Trends in Software Development                                    | Mr.Srinivas Subba Rao   | 19-06-2012                     |
| 24                       | 2012-13 | Seminar       | Microsoft Technologies,products and certificates                         | Mr K Sudheer  | 26-06-2012                     |
| 25                       | 2012-13 | Seminar       | Personality Development  | Dr. KVSG Murali Krishna   | 01-08-2012                     |
| 26                       | 2012-13 | Seminar       | Leader ship skills and campus to cooperate grooming and entrepreneurship | Mr Ramesh   | 03-08-2012                     |
| 27                       | 2012-13 | Seminar       | A orientation session on “applications related to railways”              | Mr V Samson   | 10-11-2012                     |
| <b>Department of BED</b> |         |               |  |   |                                |

| S.No.                    | Academic Year | Workshop/<br>Seminar/<br>Guest lecture | Topic   | Resource person  | Date(s) of event |
|--------------------------|---------------|--|---|--|------------------|
| 1                        | 2016-17       | Workshop                               | Value Based Education System                  | Dr.B.Seshu<br>Dr.NaniBabu<br>Sevyananda<br>Swamy   | 22-06-2016       |
| 2                        | 2016-17       | FDP                                    | Principles of Effective Teaching and Learning | Dr.B.Seshu   | 08-12-2016       |
| <b>Department of DMS</b> |               |  |   |  |                  |
| S.No.                    | Academic Year | Workshop/<br>Seminar/<br>Guest lecture | Topic   | Resource person  | Date(s) of event |
| 1                        | 2015-16       | Guest Lecture                          | Online trading and financial markets          | Mr Zakir Hussain<br>Artha, Vijayawada  | 12-04-16         |
| 2                        | 2015-16       | Guest Lecture                          | Arrow power                                   | Ln.A R K<br>Chowdary PMJF<br>MD, Harsha Liners<br>Pvt,Ltd.   | 15-03-16         |
| 3                        | 2015-16       | Guest Lecture                          | Time & Stress Management                      | Mr Sasi Kanchi<br>Business<br>Intelligence<br>consultant,<br>Dept of Health,<br>Govt.of Australia. | 14-03-16         |
| 4                        | 2015-16       | Guest Lecture                          | Project Management                            | M r Narayan<br>Fin Bridge, Hyd   | 18-02-16         |
| 5                        | 2015-16       | Guest Lecture                          | Entrepreneurship Skills                       | Mr G Sudarshan<br>Cosultant, NSIC  | 16-09-15         |
| 6                        | 2014-15       | Guest Lecture                          | Financial Markets                             | Mr Zakir Hussain<br>Artha, Vijayawada  | 09-04-15         |
| 7                        | 2014-15       | Seminar                                | Digital Marketing                             | Mr.Hrish Thota<br>Senior Manager<br>Happiest minds<br>Technologies,<br>Banglore                    | 08.09.14         |
| 8                        | 2014-15       | Guest Lecture                          | Resume Preparation and interview process      | Dr.M.S.Narayana,<br>Prof & Head<br>Narasarao Pet<br>Engg.College                                   | 02-09-14         |
| 9                        | 2013-14       | Guest lecture                          | On line trading                               | Mr Zakir Hussain<br>Artha, Vijayawada  |                  |
| 10                       | 2013-14       | Guest Lecture                          | Indian Fiscal System                          | Mr J.S.Moses,<br>Advisor, RBI  | 13-09-13         |
| 10                       | 2013-14       | Guest Lecture                          | Functions of RBI                              | Mr N Gireesan<br>Asst Manager<br>RBI   | 25-07-13         |
| 11                       | 2012-13       | Seminar                                | Employability Skills                          | Mr M Ravi Kanth<br>Asst.Manager<br>AMITY Info Centre   | 04-04-13         |
| 12                       | 2012-13       | Seminar                                | Solar home lighting system                    | Mr Sharma<br>Area Manager,<br>MIC Electronics ltd,   |                  |

|    |         |               |                 |                                    |  |
|----|---------|---------------|-----------------|------------------------------------|--|
|    |         |               |                 | Hyderabad                          |  |
| 13 | 2012-13 | Guest lecture | On line trading | Mr Zakir Hussain Artha, Vijayawada |  |

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

**Table 3.5 Details of expertise available**

| S.No. | Name of the Department | Specialization                       | Name of the expertise   |
|-------|------------------------|--------------------------------------|---|
| 1     | CIVIL                  | Transportation Engg                  | Dr Y.Sudheer Babu   |
|       |                        | Environmental Engineering            | Mr N.V.Subba Rao  |
| 2     | EEE                    | Power electronics and drives         | Dr. T.Vamsee Kiran  |
|       |                        | Power Systems                        | Dr. A.V.Naresh Babu   |
|       |                        | Control Systems                      | Mr. G. Vijaya Kumar   |
| 3     | ME                     | Machine Design                       | Mr.K.Srinivas   |
|       |                        | Industrial Engineering               | Dr. M.Srinivasa Rao,<br>Dr.M.Kaladhar                         |
|       |                        | Manufacturing Sciences               | Mr.V.Rama Krishna Rao,<br>Dr.V. Srinivasa Sai<br>Dr. G.Rajesh |
|       |                        | Thermal Engineering                  | G.Sulochana<br>Ch.Anil Kumar                                  |
| 4     | ECE                    | Mobile Communication                 | Dr.Y S V Raman  |
|       |                        | Speech Processing                    | Dr.G.Chenchamma   |
|       |                        | Analog Electronics                   | A Sarada  |
|       |                        | Analog and Digital electronics       | B.R.K Singh   |
|       |                        | Microwave Communications             | D Prabhakar   |
|       |                        | Signal Processing                    | M. Madhavi  |
|       |                        | Computer Networking and Architecture | VVS Murthy  |
|       |                        | Communications and Signal Processing | Ch Pulla Rao  |
| 5     | CSE                    | Network Security and Data Mining     | Dr. A Jaya Lakshmi<br>Dr. P Srinivasulu                       |
|       |                        | Data Mining and Soft Computing       | Dr. B Janakiramaiah<br>Ms. K Vijaya Sree<br>Ms.G.Kalyani      |
|       |                        | Data Mining                          | Mr. A.Rama Satish<br>Ms. A Anuradha                           |
|       |                        | Software Engineering                 | Mr. D Prasad  |
|       |                        | Big Data                             | Ms. L Kanya Kumari<br>Mr. N Sri Hari                          |
|       |                        | Computer Networks                    | Mr. D Varun Prasad<br>Ms. R Srilakshmi                        |

|   |     |                           |  |
|---|-----|---------------------------|--|
| 6 | BED | Engineering Chemistry     | Dr.M.Srath Babu  |
|   |     | Condensed matter Physics  | Dr.B.Seshu   |
|   |     | Algebra(Semi rings)       | Dr.P.V.Srinivasarao  |
|   |     | Algebra(Semi rings)       | Dr.M.SrinivasaReddy  |
|   |     | Organometallics           | Dr.K.Tirumalaprasad  |
|   |     | Coordination Chemistry    | Dr.K.Praveen   |
|   |     | Fluid Dynamics            | Dr.A.Anupama   |
| 7 | DMS | Marketing                 | Mr. CVVD Srikanth<br>Dr. K.V. Rao<br>Mr. J. Venkata Ramana<br>Mr. SA Azeem<br>Ms. L. Mohana Kumari           |
|   |     | Finance                   | Dr. G. Prasanna Kumar<br>Mrs P.Vasavi  |
|   |     | Human Resource Management | Mr. P Guru Prasad<br>Mrs. K. Jagadeeswari<br>Mrs A. Aruna Kumari<br>Mr. T. Nagendra Kumar<br>Mrs. B. Gayatri |

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

**Table 3.6 Details of eminent personalities visited the college**

| Department of CIVIL |   |         |  |
|---------------------|---|---------|--|
| S.No.               | Details of eminent personalities                                      | Purpose | Date(s) of visit                               |
| 1                   | Mr.Shivaraj<br>Technical Manager<br>(Civil),<br>ARK Solutions,<br>HYD | FDP     | 18 <sup>th</sup> &19 <sup>th</sup><br>Nov-2016 |
| Department of EEE   |   |         |  |
| S.No.               | Details of eminent personalities                                      | Purpose | Date of visit                                  |
| 1                   | Mr. B.Raju, ADE<br>KTPS,<br>TSGENCO                                   | Seminar | 15 <sup>th</sup> July-2016                     |
| 2                   | Mr.Ch.Sriprakash<br>SE, Dr NTPS,<br>AGENCO                            | Seminar | 15 <sup>th</sup> Sep-2016                      |
| 3                   | Mr.J.Venkateswara<br>Rao,ADE,<br>APTRANSCO                            | Seminar | 27 <sup>th</sup> July-2015                     |
| 4                   | Mr.D.Koteswara<br>Raju, Research<br>Scholar, NIT-Nagpur               | Seminar | 3 <sup>rd</sup> Aug-2015                       |

|                         |  |                |   |
|-------------------------|--|----------------|---|
| 5                       | Dr. P.Sankar, PhD<br>(NIT-T)   | Workshop       | 13 <sup>th</sup> &14 <sup>th</sup> Aug-2015 |
| 6                       | Mr.Bhuvnesh &<br>Mr.Rajasekaram,<br>National Instruments                         | FDP            | 26 <sup>th</sup> -28 <sup>th</sup> Nov-2015 |
| 7                       | Dr.K.R.Madhu Kumar,<br>DE, APGENCO   | Seminar        | 14 <sup>th</sup> Dec-2015                   |
| 8                       | Mr.S.Charan Teja<br>Research Scholar IIT<br>Hyd                                  | Seminar        | 14 <sup>th</sup> August-2014                |
| 9                       | Mr.Ch.Sriprakash, SE<br>Dr.NTTPS   | Seminar        | 15 <sup>th</sup> Sept-2014                  |
| 10                      | Mr.D.Kiran Kumar,<br>ADE, APGENCO  | Seminar        | 13 <sup>th</sup> Dec-2014                   |
| 11                      | Mr.T.V.V.Sivarama<br>Kumar, ADE<br>Dr.NTTPS                                      | Guest Lecture  | 20 <sup>th</sup> March-2015                 |
| 12                      | Dr.V.Pandu Rangarao<br>Asst. Prof IITBhu,  | FDP            | 25 <sup>th</sup> -30 <sup>th</sup> May-2015 |
| 13                      | Dr.R.Satish Babu<br>Asst.Prof NITW,  | FDP            | 25 <sup>th</sup> -30 <sup>th</sup> May-2015 |
| 14                      | Mr.P.D.Srinivas, AE<br>Dr.NTTPS,<br>APGENCO                                      | Seminar        | 14 <sup>th</sup> Sept-2013                  |
| 15                      | Mr.J.Venkateswara<br>Rao, ADE,<br>APTRANSCO                                      | Seminar        | 14 <sup>th</sup> Dec-2013                   |
| 16                      | Mr.B.Uday, ADE,<br>APGENCO   | Guest Lecture  | 1 <sup>st</sup> March-2014                  |
| 17                      | Mr.Ch.Sriprakash,<br>SE, APGENCO   | FDP            | 2 <sup>nd</sup> -5 <sup>th</sup> June-2014  |
| 18                      | Mr.B.Ramakrishna<br>ADE, APTRANSCO   | Seminar        | 14 <sup>th</sup> Dec-2012                   |
| 19                      | Mr.A.Nagaraju, ADE,<br>APGENCO   | Guest Lecture  | 20 <sup>th</sup> March-2013                 |
| <b>Department of ME</b> |  |                |   |
| <b>S.No.</b>            | <b>Details of eminent personalities</b>  | <b>Purpose</b> | <b>Date of visit</b>                        |
| 1                       | G.Vijay kumar<br>Vijayawada, Auto<br>nager, managing<br>partner future of<br>NDT | Workshop       | 14 <sup>th</sup> &15 <sup>th</sup> Dec 2016 |
| 2                       | Dr.Siva Prasad<br>Nandyala,Dist<br>specialist, TATA<br>limited                   | Workshop       | 31-10-2016                                  |
| 3                       | B.Srinivas<br>Associate.Professor<br>IN HYD                                      | Workshop       | 16-09-2016                                  |
| 4                       | IIT ALUMINI  | Workshop       | 29 <sup>th</sup> &30 <sup>th</sup> Sep 2016 |
| 5                       | Dr.A.V.SS.K.Gupta<br>Controller of   | Guest lecture  | 07-01-2016                                  |

|                          |  |                    |   |
|--------------------------|--|--------------------|---|
|                          | Examinations of JNTU-H   |                    |   |
| 6                        | DR.G.L.SAMUEL  | Guest lecture      | 09-03-2016                                      |
| 7                        | Dr.N.Venkaiah<br>Dr.A.Venigopal from NIT-W<br>Dr.L.Survan Raju | One Week Work Shop | 29-08-2016 to 03-09-2016                        |
| 8                        | P.N.RAO from USA   | Guest lecture      | 01-08-2015                                      |
| 9                        | Dr.G.V.Rama Rao<br>Scientist G from bark                       | Guest lecture      | 24-07-2013                                      |
| 10                       | Pro.Sanaka Prasad  | Guest lecture      | 09-08-2012                                      |
| 11                       | K.Santhosh Babu<br>Design engineer<br>FABMAX                   | Guest lecture      | 07-09-2012                                      |
| <b>Department of ECE</b> |  |                    |   |
| <b>S.No.</b>             | <b>Details of eminent personalities</b>                        | <b>Purpose</b>     | <b>Date of visit</b>                            |
| 1                        | KNS Prasad (DGM)<br>BSNL Vijayawada                            | Guest lecture      | 23 <sup>rd</sup> -Sep-2016                      |
| 2                        | Dr Y Mallikarjuna Prasad<br>Andhra University                  | Guest lecture      | 12 <sup>th</sup> -13 <sup>th</sup> Mar 2015     |
| 3                        | Dr.S.Muttan, Professor,<br>Anna University                     | Guest lecture      | 29 <sup>th</sup><br>&30 <sup>th</sup> June-2015 |
| 4                        | Dr K Satya Prasad<br>JNTU Kakinda                              | Guest lecture      | 19 <sup>th</sup> &20 <sup>th</sup> -June-2015   |
| 5                        | Dr Prabakar Rao<br>JNTU Kakinada                               | Guest lecture      | 12 <sup>th</sup><br>-13 <sup>th</sup> Mar 2105  |
| 6                        | Dr.B.Chandramohan,<br>Bapatla Engineering College              | Guest lecture      | 19 <sup>th</sup> &20 <sup>th</sup><br>June-2015 |
| 7                        | C B Rama Rao<br>NIT Warangal                                   | Guest lecture      | 19 <sup>th</sup> &20 <sup>th</sup> June2015     |
| 8                        | MYS Prasad<br>SHAR Sriharikota                                 | Guest lecture      | 19 <sup>th</sup> &20 <sup>th</sup> June2015     |
| 9                        | Dr.Shaik Rafi Ahamed<br>IITG Guwahati                          | Guest lecture      | 29 <sup>th</sup> &30 <sup>th</sup> June2015     |
| 10                       | Sidhant Dhall,<br>ARDL   | Practical training | 27th & 28th Sep'2015                            |
| 11                       | Gaurav Achha,<br>ARDL  | Practical training | 27th & 28th Sep'2015                            |
| 12                       | NVSS N Sharma<br>NIT Warangal                                  | Guest lecture      | 27 <sup>th</sup> &28 <sup>th</sup> -Aug 14      |
| 13                       | M V Subba Rao<br>SHAR Sriharikota                              | Guest lecture      | 21 <sup>st</sup> July 2014                      |
| 14                       | Dr N S Murthy<br>NIT Warangal                                  | Guest lecture      | 5 <sup>th</sup> July-2014                       |
| <b>Department of CSE</b> |  |                    |   |
| <b>S.No.</b>             | <b>Details of eminent personalities</b>                        | <b>Purpose</b>     | <b>Date of visit</b>                            |



|    |  |               |   |
|----|--|---------------|---|
| 1  | Mr Mohit,P<br>Thahiliani<br>NITK,Surathkal                             | FDP           | 27 <sup>th</sup> , 28 <sup>th</sup> Nov 15    |
| 2  | Dr Suresh Chandra<br>Satapathy,<br>Professor,HOD-<br>ANITS Vizag       | Workshop      | 26 <sup>th</sup> , 27 <sup>th</sup> Feb 16    |
| 3  | Mr.Srinivas Subba Rao<br>Technology, Pressmart<br>Media Ltd            | FDP           | 27 <sup>th</sup> Apr 2013                     |
| 4  | Dr P Anupama,<br>University of<br>Hyderabad                            | FDP           | 22 <sup>nd</sup> Apr 2013                     |
| 5  | Dr. T V Rao, Professor,<br>KLU   | FDP           | 23 <sup>rd</sup> Apr 2013                     |
| 6  | Dr. G Lakshmi<br>Madhumathi, JNTUK                                     | FDP           | 24 <sup>th</sup> Apr 2013                     |
| 7  | Dr. M Rajashekara<br>Babu, Vellore Institute<br>of Technology, Vellore | FDP           | 25 <sup>th</sup> Apr 2013                     |
| 8  | K Naga kumar,<br>CEO and CO founder                                    | Workshop      | 20 <sup>th</sup> to 25 <sup>th</sup> Jun 2016 |
| 9  | K Madhu,<br>TEKTRACKS  | Workshop      | 19 <sup>th</sup> to 21 <sup>st</sup> Jan 2016 |
| 10 | Mr Srikanth<br>The UX Group  | Workshop      | 8 <sup>th</sup> to 9 <sup>th</sup> Oct 2015   |
| 11 | Mr. Sumanth Palepu<br>WEVIO-INDIA                                      | Guest lecture | 31 <sup>st</sup> Jul 2015                     |
| 12 | Mr Kishore kumar vv<br>Founder of KISHCAT<br>classes                   | Guest lecture | 31 <sup>st</sup> Jul 2015                     |
| 13 | Manikanta D<br>TEKTRAKS  | Workshop      | 24 <sup>th</sup> ,25 <sup>th</sup> Apr 2015   |
| 14 | KRSR Krishna<br>The UX Group   | Guest lecture | 18 <sup>th</sup> Apr 2015                     |
| 15 | KS Mohan<br>TCS Chennai  | Seminar       | 14 <sup>th</sup> ,15 <sup>th</sup> Feb 2015   |
| 16 | FACE Academy,<br>Hyderabad   | Seminar       | 10 <sup>th</sup> Feb 2015                     |
| 17 | Md. Abdulla<br>WEVIO -INDIA  | Seminar       | 14 <sup>th</sup> Nov 2014                     |
| 18 | Hemath Alluri, Indian<br>apple solutions Limited                       | Workshop      | 6 <sup>th</sup> to 09 Nov 2013                |
| 19 | Project Manager, NIIT,<br>Vijayawada                                   | Seminar       | 26 <sup>th</sup> Oct 2013                     |
| 20 | Sisir Kumar, UX<br>Group   | Workshop      | 8 <sup>th</sup> , 9 <sup>th</sup> Jul 2013    |
| 21 | Vijay kumar,   | Workshop      | 7 <sup>th</sup> ,8 <sup>th</sup> Jun 2013     |

|    |  |               |  |
|----|--|---------------|--|
|    | COIGNEDU & IT Services                 |               |  |
| 22 | Mr V Samson, SCR                       | Guest lecture | 10 <sup>th</sup> Nov 2012                    |
| 23 | Dr. KVSG Murali Krishna, JNTU Kakinada | Guest lecture | 1 <sup>st</sup> Aug 2012                     |
| 24 | K Sudheer, Microsoft, India            | Seminar       | 21 <sup>st</sup> Jun 2012                    |
| 25 | Mr. KNS Prasad DGM, BSNL               | Workshop      | 28 <sup>th</sup> , 29 <sup>th</sup> Sep 2016 |
| 26 | Mr.P Raju, Sr. SDE, BSNL               | Workshop      | 28 <sup>th</sup> , 29 <sup>th</sup> Sep 2016 |
| 27 | Mr. D Srinivasa Rao, JTO, BSNL         | Workshop      | 28 <sup>th</sup> , 29 <sup>th</sup> Sep 2016 |
| 28 | Mr. V Yedukondalu                      | Workshop      | 28 <sup>th</sup> , 29 <sup>th</sup> Sep 2016 |
| 29 | Mr.T.Venu, IBM                         | FDP           | 24-05-2016 to 28-05-2016                     |

**Department of BED**

| S.No. | Details of eminent personalities | Purpose   | Date of visit |
|-------|----------------------------------|---|---------------|
| 1     | Dr.Nani Babu                     | Workshop on Value based education system and research methodologies | 22/06/2016    |

**Department of DMS**

| S.No. | Details of eminent personalities  | Purpose       | Date of visit |
|-------|---|---------------|---------------|
| 1     | Mr Zakir Hussain Artha, Vijayawada  | Guest Lecture | 12-04-16      |
| 2     | Ln.A R K Chowdary PMJF MD, Harsha Liners Pvt,Ltd.                                   | Guest Lecture | 15-03-16      |
| 3     | Mr Sasi Kanchi Business Intelligence consultant, Dept of Health, Govt.of Australia. | Guest Lecture | 14-03-16      |
| 4     | M r Narayan Fin Bridge, Hyd   | Guest Lecture | 18-02-16      |
| 5     | Mr G Sudarshan Cosultant, NSIC  | Guest Lecture | 16-09-15      |
| 6     | Mr Zakir Hussain  | Guest Lecture | 09-04-15      |

|    |   |               |          |
|----|---|---------------|----------|
|    | Artha, Vijayawada   |               |          |
| 7  | Mr.Hrish Thota<br>Senior Manager<br>Happiest minds<br>Technologies,<br>Banglore | Seminar       | 08.09.14 |
| 8  | Dr.M.S.Narayana, Prof<br>& Head<br>Narasarao Pet<br>Engg.College                | Guest Lecture | 02-09-14 |
| 9  | Mr Zakir Hussain<br>Artha, Vijayawada   | Guest lecture | 06-08-14 |
| 10 | Mr J.S.Moses,<br>Advisor, RBI   | Guest Lecture | 13-09-13 |
| 11 | Mr N Gireesan<br>Asst Manager<br>RBI  | Guest Lecture | 25-07-13 |
| 12 | Mr M Ravi Kanth<br>Asst.Manager<br>AMITY Info Centre                            | Seminar       | 04-04-13 |
| 13 | Mr Sharma<br>Area Manager,<br>MIC Electronics ltd,<br>Hyderabad                 | Seminar       | 05-02-13 |
| 14 | Mr Zakir Hussain<br>Artha, Vijayawada   | Guest lecture | 05-01-13 |

**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?**

- A 5% of faculty members have utilized Sabbatical / Academic leave for their research activities.
- The institute provides academic leave facility to the faculty to attend the course work at the respective universities to fulfill the prerequisites for Ph.D Programme.
- Special Casual Leaves were sanctioned to the staff for attending workshops/ conferences to publish papers which enhance their knowledge levels in research activities.

**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)**

- Seminars/conferences/workshops are organized to create research awareness among students.
- Registration fee is paid by the college to the faculty for their participation and presenting research papers at national and International conferences.
- The awareness about the latest research articles, methodologies and trends available at institute level and university level is shared among the students and persons from all walks of life.
- Each student has to give seminar in the project reviews during their project work.

### 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.

In the beginning of every academic year nearly 2% of the department budget is planned for research activity.

- The major heads of expenditure of research are on the purchase of advanced equipment, books, and journals and also for organizing workshops, training programmes, Technical seminars and conferences.
- Faculty are provided incentives for their publications in reputed journals.

**Table 3.7 The details of budget (in Rs) earmarked for R&D**

| S.No | Department | 2012-13 | 2013-14  | 2014-15- | 2015-16 |
|------|------------|---------|----------|----------|---------|
| 1    | CE         | 25,000  | 50,000   | 50,000   | 30,000  |
| 2    | EEE        | 50,000  | 50,000   | 50,000   | 50,000  |
| 3    | ME         | 50,000  | 1,00,000 | 75,000   | 30,000  |
| 4    | ECE        | 75,000  | 75,000   | 75,000   | 75,000  |
| 5    | CSE        | 75,000  | 75,000   | 75,000   | 75,000  |
| 6    | BED        | 20,000  | 20,000   | 20,000   | 20,000  |
| 7    | DMS        | 20,000  | 20,000   | 20,000   | 20,000  |

#### 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 has a policy to provide seed money to faculty members towards research activity by the recommendations of CRDC.

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

Students are encouraged to carryout research and some financial assistance is provided to the students to publish their research articles in National and International journals. Faculty members who are engaged in research and submit their research papers in conferences are given financial support.

**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 inter disciplinary research.**

The institution encourages inter-disciplinary research activities. The College has a Research and Development Committee which comprises of experts from various departments and it serves as the platform for research discussions. The institution encourages interdisciplinary research activities. The faculty interacts with the committee in undertaking inter- disciplinary research. The college is highly fascinated to promote interdisciplinary research and interdisciplinary electives are provided to the students as a part of their curriculum.

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

The institute has developed research laboratories equipped with computers, software and internet facility. Using these labs faculty and students carryout their research and publish papers. In addition to this, institution has a well stocked library that includes text books, reference books and research journals in various disciplines and inter-disciplinary areas. Institution always comes forward to purchase latest equipment and latest journals useful for students and faculty. Most of the departments have basic equipment to initiate research; however when sophisticated equipment needed to pursue their research, faculty and students are deputed to advanced laboratories.

**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. Details are given below.**

Yes, The institution has received grant from DST for organizing workshops.  
The details are given below:

Table 3.8 Details of grants

| S.No. | Academic Year | Name of the Program   | Date(s) of event               | Name of the funding agency           | Total grant sanctioned |
|-------|---------------|---|--------------------------------|--------------------------------------|------------------------|
| 1     | 2015-16       | National Level Workshop on “Advanced Biomedical Signal Processing and its applications”                   | 26-06-2015<br>to<br>27-06-2015 | DST-file no:<br>SB/SS147/<br>15-16   | 1,00,000.00            |
| 2     | 2014-15       | National Level Seminar on “Smart Antenna Technologies for future Wireless Systems: Trends and Challenges” | 12-03-2015<br>to<br>13-03-2015 | DST- file No:<br>SB/SS1717/<br>14-15 | 1,00,000.00            |
| 3     | 2013-14       | Generic optimized PC based fuzzy logic control of DC servo motor (aircraft actuator)                      | 26-08-2013                     | DST: SR/WOS-A/ET-26-2011             | 18,30,000.00           |
| 4     | 2015-16       | Soft Computing Techniques for Engineering Applications (DST Sponsored)                                    | 26-27 Feb<br>2016              | DST:<br>SERB/F/7346/201<br>5-16      | 1,00,000.00            |
| 5     | 2015-16       | Network Analysis Using NS3 Tool for Design, Testing and Implementation (DST Sponsored)                    | 27-28 Nov<br>2015              | DST :<br>SB/SS/605/15-16             | 1,00,000.00            |
| 6     | 2012-13       | STTP on   | 22-27 April                    | ISTE-SRM/SSTP-                       | 1,00,000.00            |

|  |  |                                      |      |   |  |
|--|--|--------------------------------------|------|---|--|
|  |  | Advanced<br>Computer<br>Architecture | 2013 | Computer<br>Science/C-<br>10/2012-13/1908 |  |
|--|--|--------------------------------------|------|---|--|

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

The institution encourages faculty to apply for external funding from funding agencies.

The details of are given Table 3.9.

**Table 3.9 Details of funding projects**

| S.No. | Academic Year | Name of the Program  | Date(s) of event | Name of the funding agency  | Total grant sanctioned |
|-------|---------------|--|------------------|-----------------------------|------------------------|
| 1     | 2013-14       | Generic optimized PC based fuzzy logic control of DC servo motor (aircraft actuator) | 26-08-2013       | DST:<br>SR/WOS-A/ET-26-2011 | 18,30,000.00           |

### 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 to different Universities. The college is providing the following facilities to encourage their research.

- The library is enriched with wide range of books, journals, e-journals and databases.
- It has a separate photocopy machine where the students and research scholars are permitted to copy necessary material at a nominal cost.
- Internet connectivity and Wi-Fi facility at the speed of 20 Mbps is also available for the students and faculty to enable them to review their academic as well as their research programs.
- Adjustment in teaching schedules, if necessary

**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?**

The College Research and Development Committee meets regularly to discuss the research needs and the progress made in the research activities of the various departments and also plan, upgrade and create infrastructural facilities.

- The college purchases latest equipment for the purpose of research activities.
- Based on the recommendations of the CRDC, the institution provides seed money to the faculty and students for their research activity.
- The institution is planning to apply research centre for all departments.
- National and International journals are subscribed.
- To enrich research facilities, encouragement is given to faculty member for getting fund from different agencies.
- Planning to increase internet bandwidth and Wi-Fi connectivity.

**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.**

Yes. The institution has received the grant from DST to organize workshops.  
The details are given in sec 3.2.6

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

The facilities made available to the students and research scholars outside the campus are

- UG students are always encouraged to do their project work at Research organizations and industries.
- Research scholars whose supervisors are in other institutions are allowed to avail the research facilities available in that institution.

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

The college has an information resource centre (Main library, digital library) to fulfill the needs of researchers. The facilities are:

- A central library and every department have a departmental library, all of which are well stacked with books and journals.
- Books are regularly procured for the libraries and e-journals are subscribed regularly.
- High performance computers with internet facility are provided in the digital library for student and faculty.



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

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

## 3.4 Research Publications and Awards

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

3.4.1.1 Patents obtained and filed (process and product): Nil

3.4.1.2 Original research contributing to product improvement Nil

3.4.1.3 Research studies or surveys benefiting the community or improving the services: Nil

3.4.1.4 Research inputs contributing to new initiatives and social development Nil

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

The 3<sup>rd</sup> International Conference on Computer & Communication Technologies (IC3T - 2016) held at Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Vijayawada, Andhra Pradesh, India, during 5 – 6 November, 2016.

Conference Proceedings published by :Springer – Verlag Germany

1. Series Title : Advances in Intelligent Systems and Computing (AISC)

Title of book: **Data Engineering and Intelligent Computing** (eBook ISBN: 978-981-10-3223-3, Softcover ISBN: 978-981-10-3222-6, Series ISSN 2194-5357,

URL : <http://www.springer.com/gp/book/9789811032226>)

Editors: Dr.B. Janakiramaiah, et al

2. Series Title: Lecture Notes in Networks and Systems (LNNS)

Title of book: **Computer Communication, Networking and Internet Security** (eBook ISBN 978-981-10-3226-4, DOI: 10.1007/978-981-10-3226-4, Hardcover ISBN: 978-981-10-3225-7, Series ISSN: 2367-3370, URL:

<http://www.springer.com/gp/book/9789811032257>)

Editors : Dr.B. Janakiramaiah, et al

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

#### 3.4.3.1 Publication per faculty

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

(national /international)

3.4.3.3 Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

3.4.3.4 Monographs

3.4.3.5 Chapter in Books

3.4.3.6 Books Edited

3.4.3.7 Books with ISBN/ISSN numbers with details of publishers

3.4.3.8 Citation Index

3.4.3.9 SNIP

3.4.3.10 SJR

3.4.3.11 Impact factor

3.4.3.12 h-index

The details of publications (from sec. 3.4.3.1 to sec. 3.4.3.12) are given table 3.10

**Table 3.10 Summary of faculty publications**

| <b>Academic Year: 2015-16</b>       |           |            |   |            |            |            |             |
|-------------------------------------|-----------|------------|---|------------|------------|------------|-------------|
| <b>Publications</b>                 | <b>CE</b> | <b>EEE</b> | <b>ME</b>   | <b>ECE</b> | <b>CSE</b> | <b>BED</b> | <b>DM S</b> |
| National /International Journals    | 8         | 9          | 15  | 32         | 26         | 16         | 13          |
| National /International Conferences | --        | 5          | --  | 2          | 7          | 6          | 5           |
| Impact Factor:Range/Average         | --        | 3.37       | 2.2045  | 02         | --         | --         | 03          |
| Citation Index :Range/Average       | --        | --         | 73  | --         | --         | --         | --          |
| h-Index                             | --        | --         | 4.5   | --         | --         | --         | --          |
| Books With ISBN numbers             | --        | --         | 01<br>(978-1-62100-579-7<br>Nova publications, Inc, USA | --         | --         | 6          | 04          |
| Editing Books                       | --        | --         | --  | --         | --         | --         | --          |
| Monographs                          | --        | --         | --  | --         | --         | --         | --          |
| SNIP                                | --        | --         | --  | --         | --         | --         | --          |
| SJR                                 | --        | --         | 0.6   | --         | --         | --         | --          |
| <b>Academic Year: 2014-15</b>       |           |            |   |            |            |            |             |
| <b>Publications</b>                 | <b>CE</b> | <b>EEE</b> | <b>ME</b>   | <b>ECE</b> | <b>CSE</b> | <b>BED</b> | <b>DMS</b>  |
| National /International Journals    | --        | 21         | 4   | 26         | 23         | 25         | 01          |
| National /International Conferences | --        | 3          | 1   | 2          | 3          | 6          | 02          |
| Impact Factor:Range/Average         | --        | 3.85       | 0.901   | --         | --         | --         | --          |
| Citation Index :Range/Average       | --        | --         | 7   | --         | --         | --         | --          |
| h-Index                             | --        | --         | 4   | --         | --         | --         | --          |
| Books With ISBN numbers             | --        | --         | --  | --         | --         | --         | 01          |
| Editing Books                       | --        | --         | --  | --         | --         | --         | --          |

|                                     |           |            |           |            |            |            |            |
|-------------------------------------|-----------|------------|-----------|------------|------------|------------|------------|
| Monographs                          | --        | --         | --        | --         | --         | --         | --         |
| SNIP                                | --        | --         | --        | --         | --         | --         | --         |
| SJR                                 | --        | --         | 0.5       | --         | --         | --         | --         |
| <b>Academic Year: 2013-14</b>       |           |            |           |            |            |            |            |
| <b>Publications</b>                 | <b>CE</b> | <b>EEE</b> | <b>ME</b> | <b>ECE</b> | <b>CSE</b> | <b>BED</b> | <b>DMS</b> |
| National /International Journals    | --        | 14         | 6         | 11         | 17         | 19         | 05         |
| National /International Conferences | --        | 2          | 1         | 5          | 2          | 4          | 04         |
| Impact Factor:Range/Average         | --        | 3.79       | 0.5       | --         | --         | --         | --         |
| Citation Index :Range/Average       | --        | --         | --        | --         | --         | --         | --         |
| h-Index                             | --        | --         | 4         | --         | --         | --         | --         |
| Books With ISBN numbers             | --        | --         | --        | --         | --         | --         | 03         |
| Editing Books                       | --        | --         | --        | --         | --         | --         | --         |
| Monographs                          | --        | --         | --        | --         | --         | --         | --         |
| SNIP                                | --        | --         | --        | --         | --         | --         | --         |
| SJR                                 | --        | --         | --        | --         | --         | --         | --         |
| <b>Academic Year: 2012-13</b>       |           |            |           |            |            |            |            |
| <b>Publications</b>                 | <b>CE</b> | <b>EEE</b> | <b>ME</b> | <b>ECE</b> | <b>CSE</b> | <b>BED</b> | <b>DMS</b> |
| National /International Journals    | --        | 16         | 21        | 12         | 20         | 27         | 06         |
| National /International Conferences | --        | 1          | 03        | 4          | 4          | 7          | 02         |
| Impact Factor:Range/Average         | --        | 2.40       | 1.9766    | --         | --         | ---        | --         |
| Citation Index :Range/Average       | --        | --         | 11        | --         | --         |            | --         |
| h-Index                             | --        | --         | 4         | --         | --         |            | --         |
| Books With ISBN numbers             | --        | --         | --        | --         | --         | 1          | 04         |
| Editing Books                       | --        | --         | --        | --         | 02         | --         | --         |
| Monographs                          | --        | --         | --        | --         | --         | --         | --         |
| SNIP                                | --        | 1.923      | --        | --         | --         | --         | --         |
| SJR                                 | --        | 0.53       | --        | --         | --         | --         | --         |

### 3.4.4 Provide details (if any) of

#### 3.4.4.1 Research awards received by the faculty

**Table 3.11 Details of research awards**

| S.No. | Name of the faculty   | Award          | Department | Awarded by   | Year    |
|-------|-----------------------|----------------|------------|--|---------|
| 1     | Dr. A.V.Naresh Babu   | Young Engineer | EEE        | IEI (National)   | 2014-15 |
| 2     | Dr. A.V.Naresh Babu   | Best Paper     | EEE        | IEEE-ICAESM-2012   | 2011-12 |
| 3     | Dr. A.V.Naresh Babu   | Best Paper     | EEE        | ETE-2014   | 2013-14 |
| 4     | Mr. M. Rammohanrao    | Best Paper     | EEE        | EPES-15  | 2014-15 |
| 5     | Dr. M.Srinivasa Reddy | Best Paper     | BED        | International Journal of Mathematics and computer Applications | 2012-13 |

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

**Table 3.12 Details of Recognition**

| S.No. | Name of the faculty | Details   | Professional body/Publisher | Recognition  |
|-------|---------------------|---|-----------------------------|--------------|
| 1     | Dr. A.V.Naresh Babu | AP State center Committee Elections-2016                        | IE (I)                      | BOS Convener |
| 2     | Dr. A.V.Naresh Babu | International Journal of Energy Conversion and Management       | ELSEVIER                    | Reviewer     |
| 3     | Dr. A.V.Naresh Babu | Journal of Experimental and Theoretical Artificial Intelligence | Taylor & Francis            | Reviewer     |
| 4     | Dr. A.V.Naresh Babu | European Transactions on Electrical Power                       | John Wiley & Sons           | Reviewer     |

|    |                       |  |                     |                  |
|----|-----------------------|--|---------------------|------------------|
| 5  | Dr. M. Sreenivasa Rao | Journal of the Brazilian Society of Mechanical Science And Engineering   | SPRINGER            | Reviewer         |
| 6  | Dr. M. Kaladhar       | Engineering Science And Technology ,An International Journal             | ELSEVIER            | Reviewer         |
| 7  | Dr. M. Kaladhar       | Jordan Jour of Mechanical-8 Industrial Engineering                       | JORDAN              | Reviewer         |
| 8  | Dr.G.Rajesh           | Journal of Reinforced Plastic and Composites                             | SAGE                | Reviewer         |
| 9  | Dr.G.Rajesh           | Polymer Composites   | JOHN WILLY'S & SONS | Reviewer         |
| 10 | Dr.G.Rajesh           | Journal of Food Processing and Preservation                              | WILLY'S & SONS      | Reviewer         |
| 11 | L. Gangadhar          | Structural Engineering Mechanics An International Journal                | IJSEM               | Reviewer         |
| 12 | Dr. B. Janaki Ramaiah | International Conference on Computer & Communication Technologies (IC3T) | Springer            | Editorial Member |
| 13 | Dr. B. Janaki Ramaiah | Knowledge and Information Systems  | Springer            | Reviewer         |

|    |                     |   |   |                  |
|----|---------------------|---|---|------------------|
| 14 | Dr.P.V.Srinivasarao | International journal of Scientific and Innovative Mathematical Research (IJSIMR) | Academician's Research Center(ARC) Publications | Editorial Member |
| 15 | Dr.P.V.Srinivasarao | International Journal of Modern Sciences and Engineering Technology IJMSET        | Advanced Scientific Research Forum (ASRF)       | Editorial Member |

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

- Staff members are encouraged to attend seminars, conferences, workshops and short term courses.
- Faculty members are encouraged to take up developmental activities such as book writing, paper publication, research projects.
- The incentives details are given below:

Faculty Members are eligible to the following incentives for publication of research papers in National and International journals, conferences, authoring books and articles and patents.

#### 1. National/International Journals:

| S. No. | Achievement  | Incentive, INR |
|--------|--|----------------|
| 1      | Thomson Reuters Indexed International Journals with Impact factor $\geq 1$ | 8000           |
| 2      | Thomson Reuters Indexed International Journals with Impact factor $< 1.0$  | 6000           |
| 3      | Scopus Indexed International Journals                                      | 5000           |
| 4      | Thomson Reuters or Scopus Indexed National journals                        | 4000           |
| 5      | Peer Reviewed International journals other than above                      | 1500           |
| 6      | Peer Reviewed National journals other than above                           | 1000           |

#### 2. National/ International Conferences:

| S. No. | Achievement  | Incentive, INR  |
|--------|--|---|
| 1      | Papers published in IEEE Explorer, Springer, Elsevier, and other publishers approved by CRDC | 5000<br>(or 50% of registration fee whichever is less) +TA <sup>#</sup> +OD |
| 2      | Papers published by premier institutes like IISc., IITs etc.                                 | 50% of registration fee + OD  |
| 3      | International Conferences other than above   | 1500  |
| 4      | National Conferences other than above  | 1000  |

# TA: Professors – 2<sup>nd</sup> AC; Assoc. Professors – 3<sup>rd</sup> AC/Chair Car; Asst. Professor – SL/2<sup>nd</sup> Seating

### 3. Books

| S. No. | Achievement   | Incentive, INR |
|--------|---|----------------|
| 1      | International reputed Publishers – Sole authors   | 20000          |
| 2      | International reputed Publishers – Multiple Authors from our Institution (To be distributed equally among the authors in the Institution) | 20000          |
| 3      | International Publishers – a chapter in an edited book  | 5000           |
| 4      | National Publishers with ISBN - sole Author   | 10000          |
| 5      | National Publishers with ISBN multiple authors (To be distributed equally among the authors in the Institution)                           | 10000          |

### 4. Patents:

- ❖ One increment at the discretion of management

### 5. Workshops/FDPs:

- ❖ Faculty members are encouraged to participate in Workshops/FDPs without disturbing the academic schedule.

## 3.5 Consultancy

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

The consultancy policy of the institution is “Transforming knowledge and skill to the welfare of the society/industry”.

- The institution encourages faculty to take up consultancy work and research assignments by the approval of the CRDC.
- CRDC suggestions are taken and implemented for promotion of research culture in the college.
- Resource persons are invited from industries and premier institutions to the college for interactions with the faculty members and students.
- On-duty leaves are granted to the faculty for attending course work, attending workshop, conferences and industry visits for meeting experts.

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

Major areas of expertise, human resources and adequate infrastructure are advertised through the college website and facilities are provided as per the recommendations of CRDC.



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

The institute encourages the faculty to carry out the consultancy work:

- Reduced teaching load and provide special leaves to meet experts.
- Allowed to attend important workshops and seminars arranged by the leading technology consultants in relevant fields.
- Offering monetary benefits to the faculty involved in consultancy as per the recommendations of CRDC.
- Permitted to utilize the infrastructure and lab facilities for experimentation and analysis of their consultancy projects.

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

The Department wise broad areas are given in Sec. 3.1.7. There is no revenue till the date. But, taking steps in that direction.

### 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 income generated will be shared in the ratio of 60:40. But, there is no revenue till the date.

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

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

To make the students learn good values and responsibilities required for good citizenship, service orientation and holistic development, the institution developed institution-neighbourhood-community network through NSS.

- The Institute has NSS Unit with a total strength of 100 volunteers admitted for regular social service and organizes several social service and community development programmes which inculcate social responsibility and service motto in the minds of students.
- The college organizes a seminar on Anti Ragging every year.
- Developing leadership quality among the students, blood donation camps, and blood donation on life saving emergency call.

- The institute is conscious of its role in campus community connection, well being of its neighborhood and has initiated a number of community development activities.
  - Involvement of the faculty, student and also neighboring institute for raising various charity activities and relief funds during natural calamities.
  - Organizing NSS camp where cleaning and sanitizing around neighborhood villages is done by role play self-awareness about cleanliness, water loss and other public safety.
- The list of NSS activities are given below

**Table 3.13 List of NSS Activities**

| Academic Year 2012-13 |   |                    |  |
|-----------------------|---|--------------------|--|
| S.No.                 | Title of the Event  | Date               | Place                                      |
| 1.                    | 5 km Rally on “Importance of Blood Donation”  | 26-06-2012         | Kanchikacherla                             |
| 2.                    | Blood Donation camp   | 27-06-2012         | College seminar hall                       |
| 3.                    | Distribution of note books  | 12-07-2012         | Perakalapadu                               |
| 4.                    | Day for Disabled  | 18-07-2012         | College seminar hall                       |
| 5.                    | Quit India Day  | 08 & 09-08-2012    | College seminar hall                       |
| 6.                    | NSS Foundation Day, Visit to oldage home  | 24-09-2012         | Devineni Venkata Ramana Ghat, Perakalapadu |
| 7.                    | Blood Grouping for all the students   | 14-11-2012         | College seminar hall                       |
| 8.                    | Joy of giving week- help to jyothiswar with 5 km walk                                 | 12-12-2014         | Nandigama                                  |
| 9.                    | Distribution of basic needs to children   | 2-1-2013           | Perakalapadu                               |
| 10.                   | Youth festival  | 10, 11, 12-01-2013 | College seminar hall                       |
| 11.                   | Blood Donation camp   | 10-01-2013         | College seminar hall                       |
| 12.                   | Inauguration of Special camp and Micro Survey   | 11-02-2013         | Perakalapadu                               |
| 13.                   | Free Eye Check up Camp  | 12-02-2013         |  |
| 14.                   | Clean& Hygiene - Awareness Rally on Plastic Usage                                     | 13-02-2013         |  |
| 15.                   | Health Check up Camp for Children   | 15-02-2013         |  |
| 16.                   | Literacy Programme for Middle Age People in the Village                               | 16-02-2013         |  |
| 17.                   | BP, Sugar, & Heart Check up Camp  | 17-02-2013         |  |
| 18.                   | Village Greenery & Valedictory  | 18-02-2013         |  |
| Academic Year 203-14  |   |                    |  |
| 1.                    | Visit To Annamma School For Hearing And Physically Challenged, Kondapalli, Vijayawada | 21-06-2013         | Kondapalli                                 |
| 2.                    | Blood Donation Camp   | 09-07-2013         | College seminar hall                       |
| 3.                    | Fund Rising Programme For Uttarakhand Flood Victims                                   | 15-17 JULY 2013    | College campus                             |
| 4.                    | 5km Walk  | 20-07-2013         | Jaggiahpet, Krishna Dt.                    |

|                              |   |                             |   |
|------------------------------|---|-----------------------------|---|
| 5.                           | Joy of Giving Week<br>- Visit To Apple Orphanage<br>- Help To Sri Netra                     | 02 - 08 OCTOBER<br>2013     | Gunadala, Vijayawada                              |
| 6.                           | Free Dental Check-Up  | 14-11-2013                  | College seminar hall                              |
| 7.                           | Donation of Notebooks   | 29-01-2014                  | MPUP School Perakalapadu                          |
| 8.                           | Visit To Mother's Home  | 14-02-2014                  | Bhavanipuram, Vijayawada                          |
| 9.                           | Free eye check up camp and literacy programme   | 12-02-2014                  | Perakalapadu                                      |
| 10.                          | Tree Plantation   | 13-02-2014                  |   |
| 11.                          | Legal awareness camp & awareness on RTI act   | 14-02-2014                  |   |
| 12.                          | Health checkup for school children  | 15-02-2014:                 |   |
| 13.                          | Literary, sports activities for school children   | 16-02-2014                  |   |
| 14.                          | General medical camp.   | 17-02-2014                  |   |
| 15.                          | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014                  |   |
| <b>Academic Year 2014-15</b> |   |                             |   |
| 1.                           | Blood Grouping  | 14-06-2014                  | College seminar hall                              |
| 2.                           | Donation of Note Books  | 05-07-2014                  | Telugu And Urdhu Primary Schools At Pendyala      |
| 3.                           | Donation of Note Books  | 08-07-2014                  | Telugu And Urdhu Primary Schools At Pendyala Main |
| 4.                           | Blood Donation Camp   | 14-07-2014                  | College Seminar hall                              |
| 5.                           | Visit To Apple Foundation For Orphan Children   | 19-09-2015                  | Gunadala, Vijayawada                              |
| 6.                           | Fund Raising Program For Hud-Hud Flood Victims  | 21-10-2014 to<br>23-10-2014 | College campus                                    |
| 7.                           | Swatchh Bharat Mission-Campus Clean And Green   | 28-11-2014                  | College campus                                    |
| 8.                           | Visit To Oldage Home & Swachh Bharat At Oldage Home   | 05-12-2014                  | Devineni Venkata Ramana Ghat, Perakalapadu        |
| 9.                           | Donation Ro Water Purifier Plant And Distribution of Note Books                             | 12-12-2014                  | MPUP School Perakalapadu                          |
| 10.                          | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup)                         | 20-03-2015                  | College Seminar hall                              |
| 11.                          | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)                               | 05-04-2015                  | Siddhartha Academy Auditorium, Vijayawada         |
| <b>Academic Year 2015-16</b> |   |                             |   |

|                              |   |            |  |
|------------------------------|---|------------|--|
| 1.                           | Distribution of note books  | 15-07-2015 | MPP School, Pendyala   |
| 2.                           | Distribution of note books  | 23-07-2015 | MPUP School, Perakalapadu  |
| 3.                           | Blood Donation Camp   | 12-08-2015 | College Seminar Hall   |
| 4.                           | Visit to Oldage home<br>Birthday of Mother Teresa   | 26-08-2015 | Khasim and Khasim oldage home, Nandigama and Sai Netra Oldage home, Perakalapadu |
| 5.                           | Birth anniversary Celebrations of Dr.APJ Abdul Kalam  | 15-10-2015 | College Campus   |
| 6.                           | Visit to Annamma Special School for Dumb and Deaf   | 31-12-2015 | Ibrahimpattanam  |
| 7.                           | Republic day celebrations   | 26-01-2016 | College campus   |
| 8.                           | Visit to Apple Foundation for Orphan Children   | 06-02-2016 | Gunadala, Vijayawada   |
| 9.                           | Free dental checkup camp  | 25-02-2016 | College seminar hall   |
| 10.                          | Joy of Giving   | 03-04-2016 | MPUP School, Perakalapadu  |
| 11.                          | Free Dental Checkup Camp for Villagers & School Children  | 09-03-2016 | MPUP School, Perakalapadu  |
| 12.                          | Free Eye Checkup Camp for Villagers & School Children   | 10-03-2016 | MPUP School, Perakalapadu  |
| 13.                          | Tree Plantation in the village  | 11-03-2016 | MPUP School, Perakalapadu  |
| 14.                          | General Health Checkup for Villagers & School Children  | 12-03-2016 | MPUP School, Perakalapadu  |
| 15.                          | Medical Camp with Children specialist   | 13-03-2016 | MPUP School, Perakalapadu  |
| 16.                          | Sports Day  | 14-03-2016 | MPUP School, Perakalapadu  |
| 17.                          | Valedictory, Distribution of spectacles to villagers, distribution of prizes to children and School Anniversary | 15-03-2016 | MPUP School, Perakalapadu  |
| 18.                          | Distribution of footwear and caps to MPUP School Children   | 05-05-2016 | MPUP School, Perakalapadu  |
| <b>Academic Year 2016-17</b> |   |            |  |
| 1.                           | Distribution of note books  | 08-07-2016 | MPUP School, Perakalapadu  |
| 2.                           | Distribution of note books  | 19-07-2016 | MPP School, Pendyala   |
| 3.                           | Vanam Manam, Plantation Programme   | 04-08-2016 | Perakalapadu   |
| 4.                           | Blood Donation Camp   | 09-08-2016 | College Seminar Hall   |



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

- The NSS Coordinator of the college monitors and leads the activities through the unit.
- The records of various extension activities undertaken by the students and staff of the college are maintained.
- The information about social activities is disseminated on the college notice board and circulars.
- Participation Certificates are given to the participant.



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

The College always takes the opinions of all the stakeholders for increasing the effectiveness of the Institute. Institute solicits both internal and external stakeholder's perception on the overall performance and quality of the institute.

#### **Students:**

- The Student communicates his/her requirements and problems to counsellor/ head of department concerned / Principal.
- Suggestion / Complaint box is placed at various places on the campus which are accessible to students.
- Regular feedback in every semester is taken from students about the quality of education provided by the Institution
- Students are asked to give their feedback after the completion of their graduation programme. Students have the privilege to approach the Principal during working hours without prior appointment.

#### **Parents:**

Head of Department/ Principal interact with guardians regularly.

They are informed about their wards' academic performance and attendance records through meetings, letters, SMS and phone calls.

Direct interaction of the guardians with the HOD 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/HOD and Principal on any day of the week at any time to make any suggestions or complaints.

#### **Staff:**

Regular staff meetings are conducted 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 an established alumni Association with a faculty In Charge.

The association organizes meetings and has regular formal and informal interactions wherein any alumnus is free to give their suggestions

### 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.**

Every year the institution has plans and organizes several outreach programmes which are directly associated with student's academic, social relationship, cultural, community services and moral values.

**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?**

- Students are encouraged from first year onwards to involve in social service activities.
- 100 students are enrolled in NSS unit approved by the affiliating university
- The interested faculty members are also involved along with students in NSS activities voluntarily and participated in blood donation camps, clean and green programs, etc.,

**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 NSS unit has organized special camps by visiting various villages like Perakalapadu.
- Regular visit to the nearby orphanages and help them in all possible ways.
- Blood donation camps are also conducted by the students as and when required.
- The Institution has made a conscious effort to promote social justice as a value in learning process and administrative interactions.

**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.**

**Extension activities** Complement student's academic learning experience and inculcate the values and skills. It gives the following values

- Building leadership qualities.
- Social service to the rural people.
- Ecology and environmental protection.
- Handling issues with self- confidence.
- Having the knowledge to solve the community problems.

- Developing interpersonal skills, self employment and entrepreneurial skills and managerial skills.

### **Expected Outcomes**

- Easy to decide their role in the society.
- Help them to build themselves.
- Improve their confidence level.
- Having a Positive attitude.
- Group Attitude

### **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?**

- Blood donation camps are organized in association with local lions club.
- Health camps are organized in surrounding villages by involving the practicing doctors in and around Kanchikacherla.

### **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 college works with Lions Club in taking up various outreach and extension activities.

### **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.**

JNTUK, Kakinada awarded Dr. G. Rajesh as best NSS Program Officer in academic year 2011-12.

## **3.7 Collaboration**

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

The institute organizes various interactive sessions like Technical seminars, workshops, symposiums with experts from industry to create research interest.



- The college has signed MoUs with many industries as a part of Industry institute interaction
- Faculty members visit the industry and interact with the experts for their research activities.
- The students also interact with experts during in-plant training and industrial visits.
- Faculty members have chance to work with experts during their academic leave.
- Seminars and Workshops organized in collaboration with ISTE, IEL, CSI Chapters where the students are exposed to the emerging trends. Such collaboration enhances learning and research experiences of both students and the faculty.

### Benefits

- Internship and some of the projects done in collaboration with organizations / companies have inculcated research attitude and motivated them for doing research.
- Students get exposure to the emerging trends in their respective domain.

### 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 institute has signed MoU with the following companies, details are given in table 3.14

**Table 3.14 Details of MoUs**

| S.No. | Industry/<br>Company   | MoU<br>Signed on | Contribution to the<br>Institute   |
|-------|--|------------------|--|
| 1     | UX group,<br>Vijayawada  | 24-05-2013       | Workshops/Seminars<br>organized  |
| 2     | Tektraks Pvt. Ltd,<br>Vijayawada   | 05-08-2013       | Workshops/Seminars<br>organized  |
| 3     | e-world<br>(South Central<br>Railways),<br>Vijayawada                      | 03-11-2014       | Academic Projects done by<br>the students at e-world                       |
| 4     | Student<br>Enhancement<br>Program<br>(STEP ) IIIT-<br>Hyderabad            | 28-03-2012       | Training provided to the<br>students on Java and<br>Computational thinking |
| 5     | Andhra Pradesh<br>State Skill<br>Development<br>Cell(APSSDC),<br>Hyderabad | 02-02-2015       | Training and projects<br>development                                       |
| 6     | TEP-ISB,<br>Hyderabad  | 09-06-2014       | Mentor for giving ideas for<br>incubation centers to                       |

|    |  |            |   |
|----|--|------------|---|
|    |  |            | establish   |
| 7  | WEIVO,<br>Hyderabad                            | 04-08-2014 | Workshops/Seminars<br>organized   |
| 8  | Perfect Electronic<br>Systems                  | 24-12-2012 | Training and Industrial visits  |
| 9  | MIC Electronics                                | 28-05-2013 | To Impart Training and<br>Industrial visits on LED<br>technologies and Embedded<br>Systems                              |
| 10 | South Central<br>Railway<br>Vijayawada         | 11-11-14   | To do Live Projects, Training<br>and Industrial Visits  |
| 11 | Microlink<br>Peripheral Controls               | 22-07-2015 | To conduct seminars, joint<br>guidance of student projects<br>,training and Industrial visits                           |
| 12 | BSNL Vijayawada                                | 22-09-2016 | To organize workshops,<br>Training and Industrial visits  |
| 13 | JP<br>Industries, Vijayaw<br>ada               | 08-08-2011 | Students Internships, Project<br>Works And Knowledge<br>Exchange Programmes.Staff<br>Training and Sharing<br>Facilities |
| 14 | Keshav Ramta<br>Labs, Vijayawada               | 08-08-2011 | Knowledge Exchange<br>Programmes.Staff Training<br>and Sharing Facilities   |
| 15 | CADD Experts,<br>Vijayawada                    | 06-05-2013 | Students Internships, Project<br>Works And Knowledge<br>Exchange Programmes.Staff<br>Training and Sharing<br>Facilities |
| 16 | Padmavathi<br>Engineering<br>Works, Vijayawada | 13-05-2013 | Students Internships, Project<br>Works And Knowledge<br>Exchange Programmes.Staff<br>Training and Sharing<br>Facilities |
| 17 | RKS<br>Engineers, Vijayaw<br>ada               | 15-05-2013 | Students Internships, Project<br>Works And Knowledge<br>Exchange Programmes.Staff<br>Training and Sharing<br>Facilities |
| 18 | Kristna<br>Engineering<br>Works, Vijayawada    | 07-03-2014 | Students Internships, Project<br>Works And Knowledge<br>Exchange Programmes.Staff<br>Training and Sharing<br>Facilities |
| 19 | RKS Engineers,                                 | 07-03-2015 | Students Internships, Project   |

|    |  |            |   |
|----|--|------------|---|
|    | Vijayawada                                   |            | Works And Knowledge Exchange Programmes.Staff Training and Sharing Facilities                               |
| 20 | G S Alloy Castings Limited,<br>Vijayawada    | 07-05-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training and Sharing Facilities |
| 21 | Prakasa Spectro Cast (P) Ltd,<br>Vijayawada  | 07-05-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training and Sharing Facilities |
| 22 | Sudhakar Polymers Limited,Suryapet           | 20-07-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |
| 23 | Sri Venkateswara Engineerings,<br>Vijayawada | 04-07-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |
| 24 | Lokesh Foundries Pvt.Ltd,<br>Vijayawada      | 04-07-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |
| 25 | Prathap Industries,<br>Vijayawada            | 04-07-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |
| 26 | Vasantha Hydraulic Systems,<br>Hyderabad     | 18-06-2015 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |
| 27 | GS Electricals,<br>Vijayawada                | 11-09-2015 | To do Live Projects, Training and Industrial Visits   |
| 28 | Harsha Liners Pvt, Ltd                       | 17-05-2016 | Students Internships, Project Works And Knowledge Exchange Programmes.Staff Training And Sharing Facilities |

**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.**

Institution interacts with reputed industry for creation/up-gradation of academic facilities/infrastructure facilities. The institution has signed many MoUs with the industry. Industry-Institute Community interactions by inviting scientists and industrialists to deliver guest lectures and to organize workshops and seminars helped the institution in many ways.

- Faculty and students are trained to meet the technological needs of industry and society.
- Awareness on importance of collaborative research projects and live projects for students is created by inviting eminent scientists and industrial personnel.
- Both faculty and students are benefited by organizing Industry oriented workshops/seminars wherein they gain hands-on experience and industrial exposure.

**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.**

The 3<sup>rd</sup> International Conference on Computer & Communication Technologies (IC3T - 2016) held at Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Vijayawada, Andhra Pradesh, India, during 5 – 6 November, 2016.

Conference Proceedings published by :Springer – Verlag Germany

1. Series Title : Advances in Intelligent Systems and Computing (AISC)

Title of book: **Data Engineering and Intelligent Computing** (eBook ISBN: 978-981-10-3223-3, Softcover ISBN: 978-981-10-3222-6, Series ISSN 2194-5357, URL : <http://www.springer.com/gp/book/9789811032226>)

2. Series Title: Lecture Notes in Networks and Systems (LNNS)

Title of book: **Computer Communication, Networking and Internet Security** (eBook ISBN 978-981-10-3226-4, DOI: 10.1007/978-981-10-3226-4, Hardcover ISBN: 978-981-10-3225-7, Series ISSN: 2367-3370, URL: <http://www.springer.com/gp/book/9789811032257>)

| S.No | Keynote Speaker Name         | Designation   |
|------|------------------------------|---|
| 1    | Prof. V.S.S Kumar            | Vice- Chancellor, JNTUK, Kakinada   |
| 2    | Dr. B.K.PANIGRAHI            | Indian Institute of Technology Delhi Hauz Khas, New Delhi-110 016, INDIA  |
| 3    | Dr. D.V.L.N Somayajulu       | Professor, Department of CSE, National Institute of Technology, Warangal.   |
| 4    | Dr. S K UDGATA               | Professor, University of Hyderabad Hyderabad.   |
| 5    | Dr. P.V.G.D. Prasad Reddy    | Professor & HOD, Department of CSSE Andhra University, Vishakhapatnam   |
| 6    | Dr J.V.R Murthy              | Professor, Department of CSE, JNTUK Kakinada  |
| 7    | Mr. ANINDA BOSE              | Senior Publishing Editor with Springer India Pvt. Ltd. New Delhi, INDIA   |
| 8    | Dr. ARUNKUMAR THANGAVELU     | <i>School of Computer Science &amp; Engineering (SCOPE)<br/>VELLORE INSTITUTE OF TECHNOLOGY<br/>Vellore Campus. Tamilnadu</i> |
| 9    | <i>Dr. G. VARAPRASAD</i>     | <i>BMS College of Engineering<br/>Bangalore, Karnataka</i>  |
| 10   | Dr. SURESH CHANDRA SATAPATHY | National Chairman (Education and Research), CSI, INDIA  |

**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**

The college is affiliated under JNTUK, Kakinada, so there is no scope of change in curriculum as curriculum to be followed is prescribed by affiliating university. However, some of the topics beyond the syllabus are covered to bridge the curriculum gaps to meet the vision and mission of the department.

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

The institute makes the facilities for arranging in-house training /industrial visit at various industries for the students.

**c) Summer placement**

Collaboration with various industries / organizations has helped our students to undergo short-term training and internship programmes during summer vacation.

**d) Faculty exchange and professional development**

- ❖ Institute arranges workshops, seminars and conferences at department and inter-department levels to exchange the ongoing research activity in the fields of national importance and industry needs.
- ❖ Institute also deputed faculty to exchange their research expertise at workshops, conferences and training programs arranged at other colleges/organizations.

e) **Research**

The institute regularly organizes workshops/seminars/conferences to promote research activities.

f) **Consultancy**

The college undertakes consultancy works as a service.

g) **Extension**

The college organizes society-friendly programmes as part of its extension activities. Students and faculty participate in extension activities like NSS.

h) **Publication**

The faculty and students published their research work in national/international journals

i) **Student Placement**

- Providing job market information and related inputs to students
- Pre-placement training from third year onwards

j) **Twinning programmes** : NIL

k) **Introduction of new courses** :NIL

l) **Student exchange**

- Students are deputed to industries / research organizations during summer vacation for industry exposure and to take up the projects related to industry needs.
- Experts from industry and research organizations are invited for interactive sessions with students for exchange of knowledge and practical skills making the students meet industry requirements.
- The departments organize state-wise and inter-collegiate festivals, seminars and technical paper contests and students from various institutions exchange their ideas in thrust areas of engineering and other fields.
- The institution arranges industrial tours to the students every year to expose them to the practical aspects of industry and to fill the gap between theory and

practical applications which enhance the exposure to real working environment.

m) Any other: Nil

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

Efforts taken in planning, establishing and implementing the initiatives of the linkages/collaborations are:

- Inviting eminent personalities from various industries for delivering guest lectures, key note address in conferences, invited speaker in workshops.
- College enters into MoU arrangements with various establishments mainly to establish the linkages / collaborations related to academic and research activities.
- The Institute has persuaded all the departments to interact with different industries in providing technical training, summer training, and internship to enhance the employability of the students. It also helps various departments to interact with different industries and institutes of national importance for collaborative research and consultancy work.

# **CRITERION-IV**



## **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?**

College is located on NH65 in a 30-acre campus with sylvan surroundings at Kanchikacherla, APCRDA in Krishna District, about 35 km from Vijayawada, Andhra Pradesh.

Under the supervision of Director (Planning), the college ensures in advance the requirement of the necessary infrastructure to meet the changing needs of intake increase and introduction of new courses besides improving the existing facilities.

In order to identify the various areas in which infrastructural facilities are to be improved upon, interactive sessions with faculty, alumni, students, parents and industry representatives are arranged. Based on the interaction and the inputs received from them, budgetary allocations are made to provide instructional and administrative space and establish new laboratories and procure required furniture.

The college follows the following planning methodology

- The proposals for additional class rooms, laboratories, infrastructure needs will be given by the department.
- The infrastructure committee scrutinizes the proposals and consolidates college annual requirement.
- This is reflected in the annual budget and placed before the college governing council.
- College governing body approves the plans for infrastructure.

#### **4.1.2    Detail the facilities available for**

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

| S.NO         | Particulars                       | Available Area (sq.m) |
|--------------|-----------------------------------|-----------------------|
| 1            | Instructional Area (Carpet Area)  | 14692                 |
| 2            | Administrative area (Carpet Area) | 1931                  |
| 3            | Amenities area (Carpet Area)      | 2512                  |
| 4            | Circulation and other area        | 5865                  |
| <b>Total</b> |                                   | <b>25000</b>          |

### Infrastructure facilities for teaching learning

| Description            | Total Number | Area (in Sq. Mts) |
|------------------------|--------------|-------------------|
| Class Rooms            | 68           | 5362              |
| Tutorials              | 14           | 481.5             |
| Seminar Hall           | 4            | 615.89            |
| Drawing Hall           | 4            | 620               |
| Conference Room        | 4            | 147.81            |
| Computer Centre        | 10           | 1257              |
| Laboratories/Workshops | 40           | 4314.11           |

### Facilities and Equipment Available for teaching, learning and research:

- LCD Projectors are installed in the majority of the class rooms
- Video lectures and teaching materials are made available in the library
- Webinars are arranged for the benefit of faculty and students
- Every department has a research lab
- Access to the E Journals

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

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

The college promotes sports and games and offers the individual an opportunity to enhance skills, improve personality and develop social interaction. To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college. Three full time qualified Physical Directors are appointed to train the students in various games and sports activities and for conducting sports events in the college.

College has an exclusive facility for housing various indoor games.

The following indoor and outdoor games facilities are provided on the campus.

| Facilities  | Number Available |
|---|------------------|
| Chess Boards  | 28               |
| Carom Boards  | 24               |
| Table Tennis Boards   | 2                |
| Volley Ball Courts  | 3                |
| Tennicoit Courts  | 2                |
| Football  | 1                |
| Cricket Ground  | 1                |
| Throw ball  | 2                |
| Kho Kho   | 1                |
| Ball Badminton  | 1                |
| Play Ground for Cricket, Athletic Track, Long jump, High Jump, Triple Jump, Short put, Discus Throw, javelin throw, volley ball, football etc | 7 Acres          |



## NSS

The values that are social and moral keep a man or a nation in the forefront of development. To inculcate the moral and social values among students, MIC has a committed team of NSS volunteers. MIC NSS is headed by Dr. G. Rajesh, Professor from the department of Mechanical Engineering who received university level “Best NSS Programme Officer” award in 2012.

MIC NSS activities include yearly regular activities such as “Blood Donation Camps, Distribution of Notebooks to poor children, extending a helping hand to old people and orphan children”, and special events like “Joy of Giving Week, Concert for a Cause, and Youth Festival”. MIC NSS unit also adopted a nearby village, Perakalapadu and working towards its development through several special medical camps, reconstruction of roads, drainages and awareness programmes to villagers’ and developing MP UP School in the village. besides offering succor to the needy during natural and man-made calamities. The Activities conducted by the NSS are

| 2015-16 |   |                                |
|---------|---|--------------------------------|
| S. No   | Name of Activity                                      | Date                           |
| 1       | Donation Of Note Books to school children             | 15-7-2015                      |
| 2       | Blood Donation Camp                                   | 12-08-2015                     |
| 3       | Visit Old-Age home Birthday of Mother Teresa          | 26-08—2015                     |
| 4       | Birth anniversary Celebrations of Dr. APJ Abdul Kalam | 15-10-2015                     |
| 5       | Visit To Apple Foundation For Orphan Children         | 06-02-2016                     |
| 6       | Old-Age home visit                                    | 26-08-2015                     |
| 7       | Youth for rural development                           | 09-03-2016<br>To<br>15-03-2016 |
| 2014-15 |   |                                |
| 1       | Blood grouping at campus                              | 14-06-2014                     |
| 2       | Donation of Note Books                                | 05-07-2014                     |
| 3       | Donation of Note Books                                | 08-07-2014                     |
| 4       | Blood Donation Camp at college campus                 | 14-07-2014                     |
| 5       | Visit to apple foundation for orphan childrens        | 19-09-2014                     |
| 6       | Fund raising program                                  | 21-10-2014<br>To<br>23-10-2014 |
| 7       | Swatchh Bharat mission –campus clean and green        | 28-11-2014                     |

|                |   |                                |
|----------------|---|--------------------------------|
| 8              | Visit To Old age home & Swatchh Bharat at the Old age home                                  | 05-12-2014                     |
| 9              | Donation of water purifier plant and Donation Of Note Books at MPUP school Perakalapadu     | 12-12-2014                     |
| 10             | Free dental checkup & blood grouping camp(550 students checkup)                             | 20-03-2015                     |
| <b>2013-14</b> |   |                                |
| 1              | Visit to Annamma School for hearing and physically challenged, Kondapallii, Vijayawada      | 21-06-2013                     |
| 2              | Blood Donation Camp   | 09-07-2013                     |
| 3              | Fund Rising Programme for Uttarakhand Flood Victims   | 15-07-2013<br>to<br>17-07-2013 |
| 4              | 5 Km Walk   | 20-07-2013                     |
| 5              | Joy of Giving Week Visit To Apple Orphanage Help To Sri Netra                               | 02-10-2013<br>To<br>08-10-2013 |
| 6              | Free Dental Check-Up  | 14-11-2013                     |
| 7              | Donation of Notebooks   | 29-01-2014                     |
| 8              | Visit To Mother's Home  | 14-02-2014                     |
| 9              | Free eye check up camp and literacy programme   | 12-02-2014                     |
| 10             | Tree plantation   | 13-02-2014                     |
| 11             | Legal awareness camp & awareness on RTI act   | 14-02-2014                     |
| 12             | Health checkup for school children  | 15-02-2014                     |
| 13             | Literary, sports activities for school children   | 16-02-2014                     |
| 14             | General medical camp.   | 17-02-2014                     |
| 15             | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014                     |
| <b>2012-13</b> |   |                                |
| 1              | 5 km Rally on "Importance of Blood Donation"  | 26-06-2012                     |
| 2              | Blood Donation camp   | 27-06-2012                     |
| 3              | Distribution of note books  | 12-07-2012                     |
| 4              | Day for Disabled  | 18-07-2012                     |
| 5              | Quit India Day  | 08-08-2012 to<br>09-08-2012    |
| 6              | NSS Foundation Day, Visit to oldage home  | 29-09-2012                     |
| 7              | Blood Grouping for all the students   | 14-11-2012                     |
| 8              | Joy of giving week- help to jyothiswar with 5 km walk                                       | 12-12-2012                     |
| 9              | Distribution of basic needs to children   | 02-01-2013                     |
| 10             | Youth festival  | 10-01-2013 to<br>12-01-2013    |
| 11             | Blood Donation camp   | 10-01-2013                     |

|    |   |            |
|----|---|------------|
| 12 | Inauguration of Special camp and Micro Survey           | 11-02-2013 |
| 13 | Free Eye Check up Camp                                  | 12-02-2013 |
| 14 | Clean & Hygiene - Awareness Rally on Plastic Usage      | 13-02-2013 |
| 15 | Health Check up Camp for Children                       | 15-02-2013 |
| 16 | Literacy Programme for Middle Age People in the Village | 16-02-2013 |
| 17 | BP, Sugar, & Heart Check up Camp                        | 17-02-2013 |
| 18 | Village Greenery & Valedictory                          | 18-02-2013 |



### Public speaking and communication skills

- Orientation classes for 15 days have been conducted for the junior staff to improve their communication skills, class room presentation and teaching methodologies
- English communication skills classes have been conducted to the students to improve the communication skills
- Finishing School Program (FSP) is being conducted to all the students from I Year to IV Year with various modules on Soft Skills, Personality Profile, Communication Styles, Verbal ability etc.
- Elocution competitions are conducted from time to time.
- Students are provided platforms to act as the MCs (Master of Ceremonies) at various functions organized in the college.

### Yoga, Health and Hygiene

College has a trained and certified yoga trainer who conducts yoga sessions for



the students and faculty. Facility has been provided for the students in the hostel to do yoga. Sessions are conducted by the staff to the students regarding the health and hygiene. Display boards are placed at different places in the campus regarding hygiene.

**Cultural Activities:**

- The college encourages and lends a helping hand to develop the innate talents of students in cultural activities through a cell called ICE( Initiative for Co-curricular and Extracurricular Activities).
- As part of this, the college encourages participation of its students by sponsoring them to various literary and cultural meets.
- ICE Celebrates the days of the year like Sadbhavana divas, Environmental day etc.,
- Institution has provided literary and cultural rooms with audio visual equipment to conduct various activities for students.
- The Institution organizes a two day festival (MICFEST) every year and conducts National Level Inter Engineering Collegiate Competitions in Technical Paper Presentations, Working model Exhibition, and college level Literary and Cultural Activities, Sports and Games Activities.
- TALENTIA- A literary and cultural club conducts competitions' every week to improve the communication skills and provide an environment to showcase their talent.



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

The utilization of infrastructural facilities such as class rooms, tutorial rooms, seminar halls, laboratories, library, etc. are reviewed every semester and accordingly steps are taken for their optimal utilization and necessary improvement.

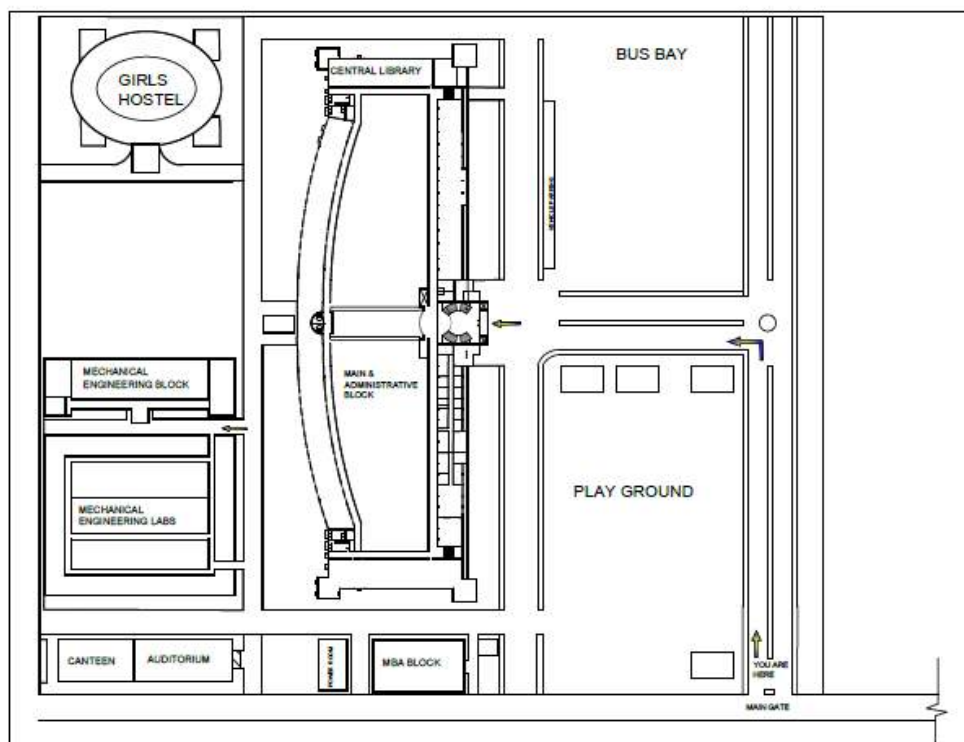
**Class Rooms and Laboratories:**

The institution has sufficient number of well-furnished, well-ventilated, spacious classrooms for conducting theory classes. All laboratories are well equipped, and well maintained not only for carrying out curriculum-oriented lab practicals but also to carry out research activities. The college has a second shift Diploma program for which we use the class rooms and laboratories. The same laboratories can be used for even and odd semesters for different lab subjects. When the Lab slots are free the Lab equipment are used for research projects by the students and staff.

Class Room are spacious and ergonomically designed so that proper ventilation, lighting is provided with good acoustics and proper visibility of glass board, audibility. All the class rooms of individual departments are at close proximity in order to have better access for the students.

**Main Academic Block and Mechanical Block**





#### Amount spent in the last four year for development of facilities

|                             | 2015-16   | 2014-15     | 2013-14     | 2012-13     |
|-----------------------------|-----------|-------------|-------------|-------------|
| <b>Buildings</b>            | 79,32,150 | 1,30,71,396 | 1,51,52,711 | 2,63,17,378 |
| <b>Lab Equipment</b>        | 31,32,126 | 14,01,075   | 4,91,671    | 2,95,306    |
| <b>Library Books</b>        | 20,35,694 | 6,40,051    | 5,87,698    | 5,24,404    |
| <b>Furniture</b>            | 67,98,902 | 24,73,836   | 32,59,765   | 28,84,619   |
| <b>Vehicles</b>             | 10,88,780 | 1,13,39,788 | 1,42,01,447 | 49,15,047   |
| <b>Sports</b>               | 2,03,702  | 2,21,057    | 68,992      | 3,30,394    |
| <b>Computers</b>            | 79,42,883 | 2,83,021    | 43,575      | 23,06,266   |
| <b>Electrical Equipment</b> | 26,83,148 | 7,52,098    | 2,42,230    | 20,55,721   |
| <b>RO Plant</b>             |           |             |             | 5,19,889    |
| <b>Solar Water Heaters</b>  |           |             |             | 1,84,000    |

#### Future plans of development

- Construction of civil engineering block
- Construction of guest houses and separate dining block for ladies hostel
- Construction of boy's hostel in the campus
- Construction of staff quarters
- Construction of open air theatre

#### 4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students / staff with disabilities?

The college has taken care of physically disabled students while developing the infrastructural facilities. In this regard, lifts has been provided in the main block.

Wheel chairs facility can be provided if required.

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

- Hostel Facility – Accommodation available
- Recreational facilities, gymnasium, yoga center, etc.
- Computer facility including access to internet in hostel
- Facilities for medical emergencies
- Library facility in the hostels
- Internet and Wi-Fi facility
- Recreational facility-common room with audio-visual equipments
- Available residential facility for the staff and occupancy.
- Constant supply of safe drinking water
- Security

##### **Hostel Facility:**

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

##### **Girls Hostel:**

Number of Rooms available : 84  
Capacity : 252  
Occupancy : 180

##### **Boys Hostel (Leased Accomodation):**

Number of Rooms available : 17  
Capacity : 90  
Occupancy : 90

##### **Recreational facilities in hostel/s like gymnasium, yoga center, etc.**

Lush- green open space ground for out-door recreation and audio visuals aids(TV, games, etc., ) for in-door recreation are provided by the institute. Arrangement for gymnasium hall is also made available in the hostel. The inmates of the hostel are given the facility of a yoga centre for meditation and yoga classes in college campus. Shuttle badminton court is present in the ladies hostel, besides few indoor games facility.

### **Computer Facility including access to internet in Hostels**

The college hostels are having a facility of computers with internet facility. The students are given a time to use the facility to enrich their knowledge. The hostel campus is fully Wi-Fi enabled campus. The students can access internet from their respective rooms.

### **Medical Facility in the Hostels**

The college and the hostel have complete arrangement for students in need of medical assistance. There is provision of a first aid/ medical room with the facilities required for medical assistance. The college has arrangement for a part time doctor and full time female medical assistant in need of emergency.

### **Library facility in the hostel**

The college hostels are fully equipped with a reading room cum library for extra reading and study. Repositories of around 400 books of different specializations, magazines, newspapers, journals are placed in the library.

### **Internet and Wi-Fi facility in hostel/s**

- Computing facilities are provided in the hostels.
- Internet connectivity with a total of 50 Mbps bandwidth is provided.
- Campus is Wi- Fi enabled.
- Hostel students can access internet through Wi-Fi.

### **Available residential facility for the staff and occupancy**

Residential facility is provided to the staff in the hostel. Separate rooms are allotted to the faculty.

### **Constant supply of safe drinking water**

The campus is supplied with RO Filtered water. A plant of 1000 liters /hour capacity is available in the hostel to cater to the need of the students and staff in the campus.

### **Security**

- College and Hostel are provided with 24Hrs on campus security services.
- CC Cameras are installed across the campus for better monitoring.
- 8 channel DVR and 8 Night vision cameras are installed in the ladies hostel.

- Biometric system is installed at the entrance so that only residents can enter into the hostel.



#### 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?

- The college maintains a medical centre supported by a male doctor and female medical assistant.
- Students and staff are provided with free medical consultancy and first aid at health care centre in the campus.
- In case of emergency, vehicle / ambulance is available to rush students to hospitals.
- Sick rooms are available in the hostels.
- One state government Primary Health Centre and three private nursing homes exist in Kanchikacherla within a distance of 3 km from the college.

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

##### **IQAC:**

The IQAC is has been established in the college. It has been functioning with dedication for quality sustenance and quality improvement in academic administrative activities of the institution under the guidance of Principal and Head,

IQAC. Adequate technological support has been given to carry out its work. Its main objective is to plan and implement quality initiatives in the college. It organized regular meetings and provides support to all activities in the institution ranging from conduct of workshops, awareness programs, and special lectures on teaching, learning and evaluation, research.

The IQAC supports total quality management in teaching, learning, evaluation, research, consultancy and extension activities for all stake holders. Its collects, maintains and analyses documents and evidences directly or through college office. It analyses the feedback received form from all stake holders and informs the concerned persons about its outcome for correction and necessary action. It also provides support required by all staff for their quality sustenance and quality improvement in teaching, research and administration.

### **Grievance Redressal Unit**

The college has a Grievance Redressal Committee which looks into the complaints of the students and redresses their grievances. Suggestion and complaint boxes are placed at the strategic locations in the college so that students can report their problems. The complaints given by the students are kept confidential. If the issue or a complaint is regarding the discipline, it is forwarded to the Discipline Committee. The committee sorts out the problems promptly and judiciously. The committee also looks into the problems of the women students, if any, and care is taken to redress the grievances of the stakeholders as and when required.

### **Women's Cell**

Women Empowerment & Grievances Cell has established to enhance the understanding of issues related to women and to make the college campus a safe place for girl students. With a view of taking up women's issues and problems, the cell aims at creating awareness of their rights and responsibilities. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves.

The responsibilities of the Women Empowerment & Grievances Cell are to follow the mandatory guide lines and directions of the JNTU Kakinada regarding the security arrangements for girl students and women staff.

The objectives of this cell are

- To promote a culture of respect and equality for female gender
- To conduct seminars, workshops to make them aware of opportunities available
- To create a conducive counseling environment for female gender to share their problems
- To educate girl students on women specific health issues and measures to be taken
- To make girl students realize their strengths and be empowered



### Training and Placement Unit

The College has established a Training and Placement Cell for Counseling and guiding students, arranging project works in industries, industrial visits. Industrial training during vacation, organizing campus interviews, providing job market information to the students and necessary inputs to face the interviews, organizing guest lectures and campus selections, arranging industrial training for students, arranging industrial internships for faculty. The cell invites various companies in all branches of engineering. It has good recognition of providing successful engineers after completion of their degree. The short listed students are prepared based on their merit and the requirement of particular industry. The same list is sent to the concerned industries for their review and further shortlisted candidates are tested and interviewed in the campus



| Year    | Name of the Branch |     |     |      |       |    | TOTAL |
|---------|--------------------|-----|-----|------|-------|----|-------|
|         | CSE                | ECE | EEE | MECH | CIVIL | PG |       |
| 2015-16 | 110                | 131 | 58  | 67   | 11    | 62 | 439   |
| 2014-15 | 70                 | 77  | 51  | 35   | --    | 39 | 272   |
| 2013-14 | 64                 | 66  | 38  | 35   | --    | 50 | 253   |
| 2012-13 | 68                 | 63  | 38  | 37   | --    | 26 | 226   |
| 2011-12 | 60                 | 57  | 24  | 25   | --    | 55 | 231   |

### Health Centre

The college provides a medical centre with facilities to handle all kinds of minor emergencies. A staff nurse is available throughout the day to provide medical facility. A qualified visiting doctor is available regularly in the campus in the specific time. For emergencies vehicle is made available to take the students to the nearby hospitals in kanchikacherla and Vijayawada.

### Canteen

A Spacious canteen which is a synonym of hygiene has been made available in the college premises to cater to students and staff. Canteen is well equipped with moder cooking appliances. The entire infrastructure like space, furniture, utensils, cookware have been arranged by the college. The administration of the canteen is given to the experienced, proficient and committed contractors. Quality and delicious food is provided to the students and staff at subsidized prices fixed by the college.

### Auditorium

The college has an air-conditioned auditorium with all the amenities. The auditorium which is designed for multi-purpose uses is equipped with an excellent multimedia system. With tiered seating for up to it promises to make events unforgettable. Apart from being a regular venue for conferences, workshops and seminars, it is often utilized for cultural activities. The college auditorium is a fantastic location of the college which provides every student a vibrant opportunity to present their curricular activities with a solid platform.



## 4.2 Library as a Learning Resource

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

Yes.

Library has an Advisory Committee with the following composition:

Chairman- Principal/ Professor from any department.

Members- Head of the Departments and Librarian

The functions of library committee are

- To prepare the budget requirements.
- To recommend the National/International journals to be provided in the library.
- To recommend the books to be purchased.
- To arrange for the physical verification of the stock at the end of each year and recommend action to be taken for shortages if any.

### 4.2.2 Provide details of the following:

|   |                      |
|---|----------------------|
| Total area of the library (in Sq. Mts.) | : 1080 Sq. Mts       |
| Total seating capacity                  | : 300                |
| Working days                            | : 9.00 AM to 6.00 PM |
| Holidays & vacation                     | : 9.00 AM to 6.00 PM |
| During examination days                 | : 9.00 AM to 6.00 PM |



**Layout of the library**

Floor I : Textbook section, Circulation section, E-Learning Centre (Digital Library), Server Room, Repographical section, OPAC

Floor II : Reference Section, Air Conditioned Reading Room, Journals Section, News Papers and Periodicals, Back Volumes, SC/ST Book Bank, CD's 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 year.**

The library ensures the purchase of titles by

- Discussing with Faculty, HOD's regarding the titles needed
- Collecting the suggestions from the students
- Bibliographic citations

| Library holdings      | Year - 1 (2015-2016) |            | Year - 2 (2014-2015) |            | Year - 3 (2013-2014) |            | Year - 4 (2012-2013) |            |
|-----------------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|------------|
|                       | Number               | Total Cost | Number               | Total Cost | Number               | Total Cost | Number               | Total Cost |
| Text Books            | 3016                 | 1809729.00 | 1375                 | 563751.00  | 1550                 | 482050.00  | 1752                 | 459024.00  |
| Reference Books       | 215                  | 225965.00  | 109                  | 76,300.00  | 168                  | 105648.00  | 199                  | 65380.00   |
| Journals/ Periodicals | 111                  | 139410.00  | 91                   | 188291.00  | 91                   | 199107.00  | 90                   | 149946.00  |
| e-resources           | 568                  | 835869.00  | 145                  | 370500.00  | 145                  | 310596.00  | 145                  | 310596.00  |

**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 access. It is also made available via LAN in the campus.

**Electronic Resource Management package for e-journals**

e-Journals like IEEE, ASME, ASCE Management

**Federated searching tools to search articles in multiple databases**

Google Scholar, Scopus, Knibus, Booksc.org, Sci-hug.org, etc.

**Library Website**

Library information is available on Institute website.

**In-house/remote access to e-publications**

In-house access to e-Publications like e-journals, e-books and NPTEL Resources is provided through intranet.

**Library Automation**

Library has been automated using NewGenLib Software

|   |   |         |
|---|---|---------|
| <b>Total number of Computer s for public access</b> | : | 50      |
| <b>Total numbers of printers for public access</b>  | : | 2       |
| <b>Internet band Width/Speed</b>                    | : | 20 Mbps |

**Institutional Repository:**

Yes. Installed open source software for uploading of publications, e-learning resources prepared by the members of the faculty, project reports of students and previous year question papers, etc.

**Content Management System for E-Learning:**

NPTEL Video Lectures, CALIBRE

**Participation in Resource sharing networks/consortia:** DELNET

**4.2.5 Provide details on the following items**

Average number of walk-ins: 450 per day

Average number of books issued/returned: 155 per day

Ratio of library book to students enrolled: 12:1

Average number of books added during last three years: 6433 per year

Average number of login to OPAC: 50 per day

Average number of login to e-resources: 60 per day

Average number of e-resources downloaded/printed: 40 per day

Number of information literacy trainings organized: one per year

Details of “weeding out” of books and other materials: 360

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

On request by faculty the required manuscripts are acquired through DELNET service.

**Reference:**

Printed and e-books, encyclopedia books, books for competitive exams (GATE, GRE, Civil Services, etc.), back volumes of journals, subject books

**Reprography:**

Xeroxing, Scanning and Printing facilities are provided.

**ILL (Inter Library Loan Service):**

Inter library loan facility is available in collaboration with Developing Library Network (DELNET).

**Information Deployment and Notification:**

The service like CAS (Current Awareness Service) and SDI (Selective Dissemination of Information) are provided.

**Downloads:**

Facility to download e-Journals, e-Books and e-Learning materials is provided.

**Printing:**

Library provides printing facility.

**Reading list/ Bibliography compilation:**

Course wise, author wise and title wise reading list of books and journals are provided with OPAC.

**In-house/remote access to e-resources:**

The library provides e-resource facility to all the faculty and students. The college is well equipped with internet facility with IP address facility which facilitates the use of e-resources for in-house access. By using intranet, user can remotely access the library resources like e-journals, e- Books and NPTEL resources within the college campus.

**User Orientation**

The library organizes a user orientation program every year at the beginning of academic year for all the first year students. Orientation programs are organized for library staff, students and faculty members on the effective use of library resources.

**Assistance in searching Databases**

Library staff helps the students and staff in searching the required databases through library software.

**INFLIBNET/IUC facilities**

Library has DELNET facility.



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

Educating the students and staff of usage of OPAC

Helping in searching the books in circulation and reference section

Educating how to use e-journals

Repographic services to the members of the library

Reservation facility for the books on stacks

Providing information on new titles/arrivals

Helping the students and staff on downloading and printing of research material.

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

Lift facility is available to the visually/physically challenged persons to enter into the library present in the first floor and to the reading room/reference section present in the second floor.

**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.**

Library frequently takes the feedback from its users on facilities and

services provided. Feedback is taken in the form of survey and questionnaire method. Feedback is analyzed at the end of every semester and the library resources and services are constantly improved based on the feedback analysis.

Feedback is also received through the “Suggestions Book” kept in the library. Library committee analyzes such suggestions received from staff and students and appropriate measures are taken.

### 4.3 IT Infrastructure

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

- Number of computers with Configuration (provide actual number with exact configuration of each available system)
- Computer-student ratio
- Stand alone facility
- LAN facility
- Wifi facility
- Licensed software
- Number of nodes/ computers with Internet facility
- Any other

**Number of computers with configuration: 1100**

| Lab Name       | Configuration   | Qty |
|----------------|---|-----|
| Computer Lab-1 | Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card                 | 78  |
| Computer Lab-2 | Acer Intel i3-4160 Processor, Intel H81 Chipset, Realtek AC 97 ON board Sound Card, 4 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 19" LED Monitor, 450W ATX, 100/1000mbps Ethernet card | 74  |
| Computer Lab-3 | Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card                 | 78  |

|                |   |    |
|----------------|---|----|
| Computer Lab 4 | Acer Intel Quad Core-J2900 , Intel 945 Realtek AC 97 ON board Sound Card, 4 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 19" LED Monitor, 450W ATX, 100/1000mbps Ethernet card   | 69 |
| Computer Lab5  | Acer PIV 2.66 GHz HT Intel 915 Realtek AC 97 ON board Sound Card, 1 GB DDR RAM, 80/160GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 450W ATX, 10/100mbps Ethernet card  | 71 |
| Computer Lab 6 | Acer PIV 3 GHz HT Intel 915 Realtek AC 97 ON board Sound Card, 1 GB DDR RAM, 80/160GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 450W ATX, 10/100mbps Ethernet card, Acer 19" LED Monitors, Head Phones                                   | 71 |
| EEE Lab        | Acer INTEL DC G360 2.7GHz, INTEL H61 CHIPSET MB, Realtek AC 97 ON board Sound Card, 2 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 450W ATX, 100/1000mbps Ethernet card, 18.5" LED Monitors                              | 64 |
| ECE Lab-1      | Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card, 2GB RAM DDR                                    | 68 |
| ECE Lab-2      | Acer Intel Quad Core-J2900 , Intel 945 Realtek AC 97 ON board Sound Card, 4 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 19" LED Monitor, 450W ATX, 100/1000mbps Ethernet card   | 67 |
| MP Lab         | Vintron PIV 1.7 GHz Intel 845, AC 97 On Board Sound Card, 256 Mb Ram, 40 Gb Hdd, 550 W ATX Smps, 121 Keyboard, Mouse, 15" Color CRT Monitor   | 30 |
| Mech Lab       | Acer Dual Core 1.6 Ghz , Intel 945 Realtek AC 97 ON board Sound Card,, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 17" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card<br>Transcend 2 GB DDR2 RAM<br>Graphic Card NVIDIA 1Gb (8400) | 92 |
| PG Lab         | Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card   | 64 |
| CE Lab         | Acer Dual Core 2.4 Ghz , Intel 945 Realtek AC 97 ON board Sound Card, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18.5" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card,  | 66 |

Computer-student ratio: 1:4

Stand alone facility: All the systems are connected to the LAN

LAN Facility: 1 GB backbone fiber optic network is available.

Wi-fi Facility: Wi-Fi facility is available in the campus including hostel with a speed of 70 Mbps.

#### Licensed Software:

| Product Pool      | License Product Family                            | License Version       |
|-------------------|---|-----------------------|
| Applications      | Office Professional                               | Plus 2016             |
| Applications      | Visual Studio Professional Edition                | 2010                  |
| Servers           | Exchange Server Standard CAL-Device CAL           | 2016                  |
| Servers           | Forefront Endpoint Protection                     | 2010                  |
| Servers           | Lync Server Standard - Device CAL                 | 2010                  |
| Servers           | Office SharePoint Server Standard CAL- Device CAL | 2013                  |
| Servers           | Skype for Business Server Standard CAL            | 2015                  |
| Servers           | SQL- Device CAL                                   | 2008 Release 2        |
| Servers           | SQL Server – Standard                             | 2008 Release 2        |
| Servers           | System Center Configuration Manage Client ML      | 2012 Release 2        |
| Servers           | System Center Endpoint Protection                 | 2012 Release 2        |
| Servers – Systems | Windows HPC Server Suite                          | 2008 Release 2        |
| Servers – Systems | Windows Server – Device CAL                       | 2012                  |
| Servers – Systems | Windows Server – Standard                         | 2012 Release 2        |
| Servers – Systems | Windows Server – 2012                             | 2012                  |
| Systems           | 10 Enterprise 2015 LTSC                           | Licensed Professional |
| Systems           | 10 Education                                      | Licensed Professional |
| Systems           | 10 Home Get Genuine                               | Licensed Professional |
| Systems           | Windows 8.1                                       |                       |
| Systems           | Fedora 15   | Freeware              |
| Systems           | Ubuntu 10.0.1                                     | Freeware              |
| Applications      | MSDN Liberty & Microsoft E-Learning Liberty       | Under MSDN            |
| Applications      | Microsoft SMS                                     | Under MSDN            |
| Applications      | Visual Fox Pro                                    | Under MSDN            |
| Applications      | BIZ Talk Server                                   | Under MSDN            |
| Applications      | Comer Server                                      | Under MSDN            |
| Applications      | Content Management Server                         | Under MSDN            |
| Applications      | Virtual PC  | Under MSDN            |
| Applications      | Rational Rose Academic ENT                        | Licensed              |
| Applications      | Rational Suite Enterprise                         | Licensed              |

|              |  |                  |
|--------------|--|------------------|
| Server       | Rational Rose Win SL 8.1                               | Licensed         |
| Applications | Weka version   | Freeware         |
| Applications | Java 1.5   | Freeware         |
| Applications | Java 1.6   | Freeware         |
| Applications | Java 1.7   | Freeware         |
| Applications | Java 1.8   | Freeware         |
| Applications | Globerena English Communication Software               | Licensed         |
| Applications | K-Van English Communication Software - Student Console | Licensed         |
| Applications | K-Van English Communication Software - Teacher Console | Licensed         |
| Applications | Net Beans 7.01   | Freeware         |
| Applications | Tomcat 7.0   | Freeware         |
| System       | Fedora 10  | Freeware         |
| System       | Fedora 9   | Freeware         |
| Applications | Oracle 10g   | Academic Version |
| Applications | Oracle 11g   | Academic Version |
| Applications | RTool  | Freeware         |
| Applications | Rapid Miner  | Freeware         |
| Applications | Adobe Reader   | Freeware         |
| Applications | Winrar   | Freeware         |
| Applications | Eclipse 4.2  | Freeware         |
| Applications | EDIT Plus  | Freeware         |
| Applications | COBOL  | Licensed         |
| Applications | Turbo C  | Licensed         |
| Applications | Easy PHP   | Freeware         |
| Applications | XAMPP  | Freeware         |
| Applications | MySQL  | Freeware         |
| Applications | Eclipse-Luna   | Freeware         |
| Applications | Oracle ADF   | Freeware         |
| Applications | JustInMind Prototyper                                  | Freeware         |
| Applications | Notepad ++   | Freeware         |
| Applications | Ansys  | Licensed         |
| Applications | Auto CAD   | Licensed         |
| Applications | Solid Works 3D   | Licensed         |
| Applications | MATLAB   | Licensed         |
| Applications | Simulink   | Licensed         |
| Applications | Xylinx   | Licensed         |
| Applications | <i>P-Spice</i>   | Licensed         |
| Applications | NewGenLib  | Licensed         |
| Applications | Tally 9.0  | Licensed         |



|              |                                       |          |
|--------------|---------------------------------------|----------|
| Applications | CNC Train – part programming Software | Licensed |
| Applications | MASM                                  | Freeware |

Number of Nodes/Computers with internet facility: 40% of the systems in the college are connected to internet.

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

- Research lab is present in every department which has the access of internet and e-journals
- Computers with printing facility are provided to the staff in every department.
- Internet facility of 70 Mbps is provided to the students and faculty.
- Wi-Fi facility is provided through out the campus
- The students and faculty can use the digital library to browse course ware by IIT, NPTEL video lectures and other lectures available freely in the internet.
- College regularly conducts special lectures through webinar facility.

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

- New software's are procured to meet the changing academic requirements.
- Based on the feedback from the students and faculty, assessment for replacement or up-gradation of systems is carried out based before the start of the academic year.
- All the class rooms are to be made state-of-art ICT facilities
- To develop e-learning materials using the strengths of the faculty.
- To provide computer facility to all the faculty members.
- To procure the industry specific software and train the students and faculty
- Up gradation of existing computers is taken up as per the need and requirements of the departments.

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

|                 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
|-----------------|---------|---------|---------|---------|
| Procurement     | 5951259 | 660000  | 320000  | 2534541 |
| Maintenance     | 130492  | 173000  | 116932  | 117642  |
| Lab Consumables | 95787   | 70642   | 40749   | 32000   |
| Total           | 6177538 | 903642  | 477681  | 2684183 |

#### 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 maximum lecture halls of the institute are equipped with either fixed LCD Projector or portable projector.
- The Air conditioned seminar halls and conference rooms of every department are equipped with LCD Projector, public addressing system, Audio Visual tools.
- NPTEL Lectures are made available to the students and faculty.
- The institution has adequate computer and internet facility for development of teaching/learning materials in their respective subjects.
- Required software tools for preparation of e-learning resources are made available in the department

#### 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.

- Online accessing to various national international journals IEEE, ASTM and ASCE.
- The teachers are encouraged to reorient from time to time and encouraged to understand their role as facilitator in addition to teacher
- College regularly conducts special lectures through webinar facility with organizations like IIIT-Hyderabad, APSSDC etc.,
- Access to JNTUK-CoEeRD and many other online learning programs.
- Information can be accessed via digital library facilities that are provided to all the students and staff to improve quality in teaching, learning and research.
- The students and staff can browse the course ware by institutions like MIT, IIT using digital library. NPTEL video lectures are freely available in the internet.

#### 4.3.9 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, The College has 70 Mbps connectivity which is used to connect with DELNET, IIT's and NIT's to get the video lectures/web courses/ resource material/ webinars. The college has collaboration with Jawahar knowledge center which is an

initiative of A P Society of knowledge networks under government of Andhra Pradesh and AP State council of higher education.

#### **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)?**

The college allocates and utilizes financial resources optimally to provide conducive academic environment and quality education to the students. The details of budget allocated during last four years for infrastructure facilities are mentioned in the table below.

| Item                 | Academic Year |             |             |             |
|----------------------|---------------|-------------|-------------|-------------|
|                      | 2015-16       | 2014-15     | 2013-14     | 2012-13     |
| Buildings            | 79,32,150     | 1,30,71,396 | 1,51,52,711 | 2,63,17,378 |
| Lab Equipment        | 31,32,126     | 14,01,075   | 4,91,671    | 2,95,306    |
| Library Books        | 20,35,694     | 6,40,051    | 5,87,698    | 5,24,404    |
| Furniture            | 67,98,902     | 24,73,836   | 32,59,765   | 28,84,619   |
| Vehicles             | 10,88,780     | 1,13,39,788 | 1,42,01,447 | 49,15,047   |
| Sports               | 2,03,702      | 2,21,057    | 68,992      | 3,30,394    |
| Computers            | 79,42,883     | 2,83,021    | 43,575      | 23,06,266   |
| Electrical Equipment | 26,83,148     | 7,52,098    | 2,42,230    | 20,55,721   |
| RO Plant             | ---           | ---         | ---         | 5,19,889    |
| Solar Water Heaters  | ---           | ---         | ---         | 1,84,000    |

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

The college has a separate department which works under the Director (Planning) which takes care of construction and up-gradation of infrastructure facilities. Maintenance department has separate electricians, plumbers, gardening staff and cleaning staff that take care of daily maintenance of infrastructure.

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

The calibration process is taken care for the equipment/ instruments as prescribed by the supplier and it is done on yearly basis through the external agencies.

**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 institution has 63 KVA, 125 KVA, 200 KVA generators which take care of an uninterrupted power supply. The computer systems and other sensitive equipment are provided with UPS systems to protect them from voltage fluctuations and to provide backup power supply for sensitive equipment with separate MCB's. Fire extinguishers are provided at all the hazardous places like labs, canteen, corridors etc.

Constant supply of purified RO water is provided throughout the campus and water coolers are provided to supply cool water for staff and students. Regular monitoring and maintenance of water tanks, coolers and water plant are taken care by the maintenance staff.

# **CRITERION-V**

## 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 institution publishes its prospectus annually. The information provided to the students is:

- Vision & mission of the college
- Background of management
- Details of departments
- Facilities available in college
- Intake details
- Placement activities and companies visiting the College
- Guest lecturers organized
- Achievements of students and staff
- Prize winners in different activities
- Infrastructural details

In addition to the prospectus, the college provides the incoming students a handbook containing:

- The course structure of each branch of study
- Rules and regulations regarding discipline, academics and examinations
- The telephone numbers and addresses of the nearest police station and academic officers to be contacted in case of ragging

At the beginning of each semester, the college provides each student a handout which contains (i) the schedule of academic, co-curricular and extra-curricular activities in that semester, (ii) the syllabus and lesson plans of each course in that semester.

The college also publishes a quarterly newsletter called “**Quest**” to disseminate information to the stake holders on all the activities of the institution throughout an academic year. The newsletter show cases research & development activities, departmental activities including faculty and student participations in various programs and placement details. Students are encouraged to contribute articles to the news letter.

The college website **mictech.ac.in** updated on a frequent basis also gives information to all the stakeholders.

The authenticity for the information provided in the prospectus can be vouched for and the rules and regulations mentioned in the hand book are strictly adhered to. Need based modifications are incorporated in the hand book details in the ensuing academic year.

**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; financial aid is available to students in the form of State/ Central Government Scholarships and fees reimbursement and is disbursed on time.

| ACADEMIC YEAR  | TYPE OF SCHOLARSHIP      | NUMBER OF STUDENTS | AMOUNT (Rs) |
|----------------|--------------------------|--------------------|-------------|
| <b>2015-16</b> | Fee Reimbursement Scheme | 2138               | 8,10,01,700 |
|                | SC/ST Scholarship        | 391                | 13,98,200   |
|                | BC/EBC Scholarship       | 908                | 19,79,600   |
|                | Other Agencies           |                    |             |
| <b>2014-15</b> | Fee Reimbursement Scheme | 2168               | 7,23,65,300 |
|                | SC/ST Scholarship        | 271                | 15,15,500   |
|                | BC/EBC Scholarship       | 773                | 16,89,900   |
|                | Other Agencies           |                    |             |
| <b>2013-14</b> | Fee Reimbursement Scheme | 1788               | 6,06,42,700 |
|                | SC/ST Scholarship        | 289                | 10,30,400   |
|                | BC/EBC Scholarship       | 711                | 15,60,100   |
|                | Other Agencies           |                    |             |
| <b>2012-13</b> | Fee Reimbursement Scheme | 1323               | 4,93,23,000 |
|                | SC/ST Scholarship        | 267                | 9,56,100    |
|                | BC/EBC Scholarship       | 604                | 13,34,000   |
|                | Other Agencies           |                    |             |

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

| Academic Year | Source                    | Percentage |
|---------------|---------------------------|------------|
| 2015-16       | State/Central Governments | 72.82      |
|               | Other Sources             |            |
| 2014-15       | State/Central Governments | 89.18      |
|               | Other Sources             |            |
| 2013-14       | State/Central Governments | 83.31      |
|               | Other Sources             |            |
| 2012-13       | State/Central Governments | 73.66      |
|               | Other Sources             |            |

### 5.1.4 What are the specific support services/facilities available for students from SC/ST, OBC and economically weaker sections?

#### SC/ST/OBC and economically weaker sections

- The students who belong to SC/ST, OBC and the economic weaker sections are given admission under state govt. reservation policy.
- Further they are financially supported by state govt. through reimbursement of fees/scholarship.
- These students are provided every possible help during their stay in the college at large.
- Text books in all the subjects are loaned from book bank for the entire semester for SC students.

#### Overseas students

- No international students & NRI students are there as per the current status in the institute.

#### Students participation in various competitions/National and International

- To enhance the student's confidence, leadership qualities, attitude, management, Communication and creative skills, the institute encourages a variety of activities.
- Initiative for Co-curricular and Extracurricular Activities (ICE), under the supervision of a senior faculty member identifies, trains and facilitates the students to participate in various national competitions in co-curricular and extra curricular competitions.

#### Medical assistance to students: health centre, health insurance etc.

- First Aid kit is available in each department.



- In case of emergency, ambulance from the State Government's Emergency Medical services is sought. Special care is provided for hostel students with vehicle availability in emergency.
- There is a nurse on duty during the college hours every day.
- A doctor is available twice a week.
- Medicines are provided free of cost.

#### **Organizing coaching classes for competitive exams**

- Coaching classes are conducted and study materials are provided for taking up competitive exams.
- Regular classes (once a week for first years, twice a week for second years and thrice a week for third and fourth years) are conducted for the development of soft skills of the students under the aegis of Finishing School Programme (FSP).
- The emphasis of this programme is developing aptitude, communication skills, logical reasoning, verbal and non-verbal reasoning and quantitative analysis.

#### **Skill development (spoken English, computer literacy, etc.,)**

- To enhance the communication skills of the students, use of special software equipped with audio facility is provided.
- Digital literacy computer training classes have been conducted and course materials are provided.
- Programmes on environmental awareness, first-aid training, fire and safety awareness are conducted.

#### **Support for “weak students”**

- Every faculty member acts as a mentor for a group of weak students.
- Regular counseling hours are conducted to identify their difficulties, to counsel and to motivate them.
- Remedial classes are conducted and supplementary materials are provided.

#### **Exposure of students to other institutions of higher learning/corporate/business house etc.**

- Students are exposed to higher education by the career guidance programmes.
- Mock tests, mock interviews and group discussions are conducted.
- Students are encouraged & guided to participate in events organized by the college and other institutions.
- The college organizes a National Level Technical Student Meet named **Aagama** every year where students from technical institutions from many states in India participate.

- Students are encouraged to take internship at IITs and other reputed organizations. Industrial visits are arranged for the students for practical exposure.
- Workshops on entrepreneurship development are organized for the students to enhance their business acumen.

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

An Entrepreneurship Development Cell (EDC) has been set up in the college to facilitate entrepreneurial skills among the students.



#### Objectives of Entrepreneurship Development Cell

- To foster innovation and create an entrepreneurial culture in the institution.
- To conduct:
  - Entrepreneurship Awareness Campus (EAC)
  - Entrepreneurship Development Programme (EDC)
  - Faculty Development Program (FDP)
  - Skill Development Program (SDP)
- To promote linkages with government institutions, industries and other organizations those are engaged in promoting small and medium enterprises.
- To provide services including information guidance to budding entrepreneurs.
- To develop incubation center to facilitate interested entrepreneurs to test and simulate the ideas.

#### Activities of the Entrepreneur Development Cell

- To prepare a module on Entrepreneurship Development in consultation with partnering Government and private agencies.
- To organize talks by successful entrepreneurs as a way of motivating young entrepreneurs.
- To organize guest lectures by officials from Entrepreneur Development Center, Entrepreneur Development Institute, other Government agencies and industries.

- Initiate and conduct idea hunt competition in the campus to gather business ideas.
- To collect business ideas and build a data base for use by interested entrepreneurs.
- To conduct research work, and survey for identifying entrepreneurial opportunities.
- To help the interested entrepreneurs to prepare project proposals.
- To guide the students in collecting information in obtaining project approvals, bank loans and all other supporting facilities.
- To provide skill development programs to students.
- To conduct in-house training programs/workshops/seminars in the field of entrepreneurship development.
- Developing reference materials booklet and course material for various training programs.
- Periodic discussions with Entrepreneurs and Consultants.
- Developing Business Incubation Center.
- Preparing/collecting relevant case studies for reference by interested entrepreneurs.

### **MICBIC- BUSINESS INCUBATION CENTRE**



- MICBIC (MIC Business Incubation Centre) is an initiative to create a network to support innovation driven start-ups.
- We believe in the power of collaboration and thus provide entrepreneurs an opportunity to connect with each other, mentors and investors.
- Additionally, the incubator creates a great industry-academia interface and provides students an opportunity to interact with entrepreneurs and mentors in an open, informal environment and gain practical exposure.

### **AIM**

The centre aims to act as a platform to create an interface between academia, business and research. It also aims to prepare men and women of character to lead, innovate, and think entrepreneurially whether in business, ministry, or public service to be role models and job creators, rather than just job seekers.

### **Objectives of MICBIC**

- The main objective of the scheme is to encourage students, research scholars and alumni to share their ideas to solve chosen problems which are local centric and to validate, refine and nurture the ideas.
- Incubation center shall provide an ecosystem to convert the ideas into concepts and upgrade them to a level of commercial value.
- Promotion of technology based new enterprises.
- Creating value added jobs and services.
- After successful incubation, encourage and lead the teams towards setting up a business enterprise.
- Providing support services to entrepreneurs.

### **Key Areas**

To begin with, Business Incubators are proposed to be promoted in the following selected thrust areas which have potential for faster growth:

- Information & Communication Technology. (ICT)
- APP development
- Web Development
- Communication engineering
- Mechanical engineering

### **Activities of MICBIC**

- (1) Arranging the Industry-Academia collaborative programmes in Science and Technology to expose researchers of the college to take up challenging research initiatives having industrial applications.
- (2) Providing opportunities for interested students to become entrepreneurs through technical and other supports as incubate companies in the Campus.
- (3) Providing assistance that will include provision of bank-assisted seed money, accommodation for entrepreneurs/trainers in the campus, mentoring, development of business plans, business promotion, incubation space in the campus, seminar/conference hall, office support, library and documentation assistance, and liaison with financial, advertising and legal agencies.



#### **MIC BOOTCAMP IN STARTUP VILLAGE**

- The college always encourages talent pool to launch their own startups.
- As part of this, the college signed a Memorandum of Understanding (MOU) with the startup village, Visakhapatnam, an initiative of Government of Andhra Pradesh towards entrepreneurship development.
- Startup Village Boot camp is a plan to nurture creativity, promote entrepreneurship and spread the word on how starting young is the first step.
- The Bootcamp will function as a mini incubator in the college catering to the nascent requirements of budding student entrepreneurs in the college.
- Startup Village Bootcamp shall be managed entirely by the students, for the students of the respective college.
- The learning curve of all the change agents involved shall be steep having managed a mini incubator in their colleges, a startup in itself.
- Startup Village, Visakhapatnam aims to be at the centre of the empowering revolution by utilizing the huge talent pool.
- The Bootcamps will also act as the platform for creativity with a range of programs to strike chord with creative interests of any engineering, arts or science discipline.

## ACTIVITIES OF ENTREPRENEURSHIP DEVELOPMENT CELL

**ACADEMIC YEAR: 2012-13**

A one day Seminar on “WHAT IT TAKES TO BE AN ENTREPRENEUR” by Sri.Y Harish Chandra Prasad was conducted to the B.Tech students on 26-12-2012.


|   |
|---|
| Name of the seminar: <b>WHAT IT TAKES TO BE AN ENTREPRENEUR</b>   |
| Venue: Seminar Hall   |
| Date of the event: 26-12-2012.  |
| Name of the guest/ Resource person: Sri. Y Harish Chandra Prasad,EX-Chairman,A.P confederation of Indian industries   |
| Target audience: B.Tech students and faculty. Strength:200  |
|     |

Outcome of the event:

Resource person Mr. Y Harish Chandra Prasad motivated the students to become job providers rather than job seekers. He has provided the necessary inputs regarding Entrepreneurship, government policies and regulations.

**Academic Year: 2013-14**

A one day workshop was held on “Impact of Communication skills in getting jobs” for B.Tech students by Mr. Yandamoori Veerendranath, renowned public speaker

|  |
|--|
| Name of the seminar: “Impact of Communication skills in getting jobs”  |
| Date of the event: 22-08-2013  |
| Name of the guest/ Resource person: Mr. Yandamoori Veerendranath, renowned public speaker  |
| Target audience: B.Tech students Strength:200  |
|   |
| <p>Outcome of the event:</p> <ul style="list-style-type: none"> <li>❖ The speaker brought insight into the importance of communication skills.</li> <li>❖ Role of communication skills have been demonstrated in an interactive session.</li> <li>❖ Impact of communication skills in interviews.</li> </ul> |

**ACADEMIC YEAR 2014-15**

- (1) A two year Technology entrepreneurship program (TEP) by Indian school of Business, Hyderabad was initiated to instill entrepreneurial skills among the student from the year 2014.

36 students (First batch) are selected and have joined the two year coursework.

| S.No | Name of the student                | Branch |
|------|------------------------------------|--------|
| 1    | NIDUMUKKALAPURNASASANK             | CSE    |
| 2    | RAMYAAINAMPUDI                     | CSE    |
| 3    | KETHINENI MADHURI                  | CSE    |
| 4    | KUMARADUSUMALLI NAVEEN             | CSE    |
| 5    | GARLAPATI SUMA                     | CSE    |
| 6    | KOPPU AMULYA                       | CSE    |
| 7    | CHALLA BHAVANA SRI                 | CSE    |
| 8    | SUSMITHA ATUKURI VENKATA LAKSHMI   | CSE    |
| 9    | KANAGALA LAKSHMI                   | CSE    |
| 10   | SATISHINUGANTI                     | ECE    |
| 11   | KATAMANENI SUDEEPTHI               | ECE    |
| 12   | VYSHNAVI VANKAYALA                 | ECE    |
| 13   | PUTTIGAMPALA NAGENDRA BABU         | ECE    |
| 14   | NADIKATTU DEDEEPTA                 | ECE    |
| 15   | SAINATH VINNAPALASIVA SURYA        | ECE    |
| 16   | BHAVANI PUPPALA DURGA              | ECE    |
| 17   | MOSALI VASAVI SAILAKSHMI PRASANNA  | ECE    |
| 18   | MUVVALA HARIKA                     | ECE    |
| 19   | HARITHAPATURI                      | EEE    |
| 20   | SUNNY GANGIPOGU                    | EEE    |
| 21   | VAMSI KRISHNA RAYAPUDI LEELA SAI   | EEE    |
| 22   | THANUJA ATLURI                     | EEE    |
| 23   | AALLA YAMINI                       | EEE    |
| 24   | VARMA NALLAPARAJU KRISHNA RAVITEJA | EEE    |
| 25   | SAMRAT VALLABHAPURAM               | EEE    |
| 26   | AKHIL VADDADI                      | EEE    |
| 27   | RAMAVIJAYKANTH                     | MECH   |
| 28   | KAKUMANUNAVEENA                    | MECH   |



|    |                               |      |
|----|-------------------------------|------|
| 29 | MUNAGALA SAITEJA              | MECH |
| 30 | MUNAGALA PAVAN SAGAR          | MECH |
| 31 | NIDUMUKKULA SWETHA            | MECH |
| 32 | SIRIPURAPU GOWTHAMI           | MECH |
| 33 | MURTHY AYACHITULA YAGNA       | MECH |
| 34 | PAPPU HARIKRISHNA             | MECH |
| 35 | BUDDHA POORNA BHAVANI PRAKASH | MECH |
| 36 | SRIKANTH MANDADHI             | MECH |

(2) The college has signed an MOU with APSSDC (Andhra Pradesh State Skill Development Corporation) to train the engineering students in respective technical domain.

|   |
|---|
| Name of the event: APSSDC (Andhra Pradesh State Skill Development Corporation)<br>SKILL DEVELOPMENT PROGRAM |
| Venue: LAB-4  |
| Venue: DVR & Dr. HS MIC College of Technology, Kanchikacherla, Andhra Pradesh.                              |

Outcome of the event: 62 students (CSE &ECE) were trained in APP Development.

| S.No | REGD. NO   | NAME OF THE STUDENT  |
|------|------------|----------------------|
| 1    | 11H71A0519 | KUSUMA G             |
| 2    | 11H71A0533 | RAJESH N             |
| 3    | 11H71A0507 | CHAKRADHAR V         |
| 4    | 11H71A0557 | VENKATASAISIDHARDA G |
| 5    | 11H71A0505 | BHARGAVI K           |
| 6    | 11H71A0559 | VYSHNAVI K           |
| 7    | 11H71A0521 | LAKSHMI TULASI G     |
| 8    | 11H71A0531 | PRUDVIRAJ N          |
| 9    | 11H71A0509 | DEVANATH             |
| 10   | 11H71A0550 | TEJASWI K            |
| 11   | 11H71A0501 | AKHIL U              |
| 12   | 11H71A0516 | JASMINE SD           |
| 13   | 11H71A0512 | GOPI SAINATH G       |

|    |            |                         |
|----|------------|-------------------------|
| 14 | 11H71A0527 | NAVYA A                 |
| 15 | 11H71A0517 | KHATHIJA SK             |
| 16 | 11H71A0554 | VASUDEVA RAO T          |
| 17 | 11H71A0515 | IMRAN SK                |
| 18 | 11H71A0536 | RAMA CHANDRIKA A        |
| 19 | 11H71A0523 | S MALATHI               |
| 20 | 11H71A0544 | P SRI MOUNIKA           |
| 21 | 11H71A0513 | HARINI SREE K           |
| 22 | 11H71A0530 | PREMA JYOTHI K          |
| 23 | 11H71A0504 | APARNA M                |
| 24 | 11H71A0506 | BHAVYA KRISHNA K        |
| 25 | 11H71A0526 | NAVEEN KUMAR M          |
| 26 | 11H71A0518 | KUMARI R                |
| 27 | 11H71A0552 | VANAJA K                |
| 28 | 11H71A0529 | PHANINDRA BABU G        |
| 29 | 11H71A0558 | VINOD KUMAR A           |
| 30 | 11H71A0580 | MASTANVALI MD           |
| 31 | 11H71A05A3 | SRAVYA PRIYANKA P       |
| 32 | 11H71A0572 | JAYAKRISHNA CHAITANYA V |
| 33 | 11H71A0596 | SHANMUKHA SANTOSH K     |
| 34 | 11H71A0561 | AMAR NADH B             |
| 35 | 11H71A0595 | SHADAB KOUSAR SK        |
| 36 | 11H71A05B4 | VENKATA SUREKHA P       |
| 37 | 11H71A0570 | HARIKA R                |
| 38 | 11H71A05A2 | SPANDANA B              |
| 39 | 11H71A0571 | JAGADEESH B             |
| 40 | 11H71A0597 | SHANMUKHA SINDHUJA G    |
| 41 | 11H71A0564 | DEDEEPPYA P             |
| 42 | 11H71A0576 | LAVANYA TEJA G          |
| 43 | 11H71A0578 | MADHURI RAYALU P        |
| 44 | 11H71A0585 | PAVAN KUMAR Y           |

|    |            |                        |
|----|------------|------------------------|
| 45 | 11H71A05A5 | SRINADH CH             |
| 46 | 11H71A05B9 | N SOUMYA               |
| 47 | 11H71A0587 | RAMYA SRI Y            |
| 48 | 11H71A05A1 | SIVA RAMA KRISHNA T    |
| 49 | 11H71A0584 | NAREN KUMAR CH         |
| 50 | 11H71A05B6 | VINUSHA D              |
| 51 | 11H71A0579 | MALLIKA SULTANA SK     |
| 52 | 11H71A05B2 | SWETHA KADIYALA        |
| 53 | 11H71A0565 | DEEPTHI SRI B          |
| 54 | 11H71A0598 | SINDHURA K             |
| 55 | 11H71A0563 | BHANU PRAKASH CH       |
| 56 | 11H71A0577 | LOHITHA N              |
| 57 | 11H71A05A7 | SRUJANA SANKARI CH     |
| 58 | 11H71A05B0 | SUMATHI V              |
| 59 | 11H71A05B1 | SUSMITHA S             |
| 60 | 11H71A05B3 | VENKATA SAI ABHISHEK K |
| 61 | 11H71A0403 | ANUSHA P               |
| 62 | 11H71A04A9 | UMA L                  |

- (3) A Three day workshop was conducted for TEP-ISB enrolled students on “DESIGN THINKING” by resource persons from ISB Hyderabad on 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> Sep 2014.

|   |
|---|
| Name of the event: A Three day workshop for TEP-ISB enrolled students on “DESIGN THINKING”.   |
| Name of the Resource person: ISB-Hyderabad Team   |
| Venue: EEE SEMINAR Hall   |
| Date of the event: 19 <sup>th</sup> , 20 <sup>th</sup> and 21 <sup>st</sup> Sep 2014.   |
| Target audience: 36 enrolled students.  |
| Outcome of the event:<br><br>To impart the concept of product development and importance of stakeholders in the design thinking of a product.<br>The workshop also highlighted the importance of design need for product. |

(4) One-day workshop conducted for TEP-ISB enrolled students on “REVIEW ON DESIGN THINKING WORKSHOP” a summary on TEP modules by resource persons from ISB Hyderabad on 15<sup>th</sup> Nov 2014.

|   |
|---|
| Name of the event: <b>One-day workshop for TEP-ISB enrolled students on “REVIEW ON DESIGN THINKING WORKSHOP”.</b> |
| Name of the Resource person: <b>ISB-Hyderabad Team</b>  |
| <b>Venue: DVR &amp; Dr. HS MIC College of Technology, Kanchikacherla, Andhra Pradesh.</b>                         |
| Date of the event: <b>15<sup>th</sup> Nov 2014</b>  |
| Target audience: <b>36 enrolled students</b>  |

| S. No | Name of the Student               | Branch |
|-------|-----------------------------------|--------|
| 1     | NIDUMUKKALAPURNASASANK            | CSE    |
| 2     | RAMYAAINAMPUDI                    | CSE    |
| 3     | KETHINENI MADHURI                 | CSE    |
| 4     | KUMARADUSUMALLI NAVEEN            | CSE    |
| 5     | GARLAPATI SUMA                    | CSE    |
| 6     | KOPPU AMULYA                      | CSE    |
| 7     | CHALLA BHAVANA SRI                | CSE    |
| 8     | SUSMITHA ATUKURI VENKATA LAKSHMI  | CSE    |
| 9     | KANAGALA LAKSHMI                  | CSE    |
| 10    | SATISHINUGANTI                    | ECE    |
| 11    | KATAMANENI SUDEEPTHI              | ECE    |
| 12    | VYSHNAVI VANKAYALA                | ECE    |
| 13    | PUTTIGAMPALA NAGENDRA BABU        | ECE    |
| 14    | NADIKATTU DEDEEPTHA               | ECE    |
| 15    | SAINATH VINNAPALASIVA SURYA       | ECE    |
| 16    | BHAVANI PUPPALA DURGA             | ECE    |
| 17    | MOSALI VASAVI SAILAKSHMI PRASANNA | ECE    |
| 18    | MUVVALA HARIKA                    | ECE    |
| 19    | HARITHAPATURI                     | EEE    |
| 20    | SUNNY GANGIPOGU                   | EEE    |
| 21    | VAMSI KRISHNA RAYAPUDI LEELA SAI  | EEE    |

|    |                                    |      |
|----|------------------------------------|------|
| 22 | THANUJA ATLURI                     | EEE  |
| 23 | AALLA YAMINI                       | EEE  |
| 24 | VARMA NALLAPARAJU KRISHNA RAVITEJA | EEE  |
| 25 | SAMRAT VALLABHAPURAM               | EEE  |
| 26 | AKHIL VADDADI                      | EEE  |
| 27 | RAMAVIJAYKANTH                     | MECH |
| 28 | KAKUMANUNAVEENA                    | MECH |
| 29 | MUNAGALA SAITEJA                   | MECH |
| 30 | MUNAGALA PAVAN SAGAR               | MECH |
| 31 | NIDUMUKKULA SWETHA                 | MECH |
| 32 | SIRIPURAPU GOWTHAMI                | MECH |
| 33 | MURTHY AYACHITULA YAGNA            | MECH |
| 34 | PAPPU HARIKRISHNA                  | MECH |
| 35 | BUDDHA POORNA BHAVANI PRAKASH      | MECH |
| 36 | SRIKANTH MANDADHI                  | MECH |

- (5) A faculty development and orientation program on “DESIGN CHALLENGES “ to TEP faculty at ISB, Hyderabad on 7th and 8th Feb-2015.

|  |
|--|
| Name of the event: A two day faculty development program on design challenge on technology entrepreneurship program, ISB-Hyderabad.  |
| Name of the Resource person: ISB-Hyderabad Team.   |
| Venue: Indian School of Business-Hyderabad.  |
| Date of the event: 7 <sup>th</sup> and 8 <sup>th</sup> - Feb-2015  |
| Target audience:<br>Mrs. A. Radha(EEE),<br>Mr. D V Siva Reddy (MECH)<br>Mr. D. Prasad(CSE),<br>Mr. K Madhukrishna(ECE)   |
| Outcome of the event:<br><br>The faculty attended the workshop to know the modules associated in the TEP-ISB program.<br>The faculty members were trained in the aspect of design challenge regarding the implementation of the program.<br>The program will help the faculty to guide the students in completion of their design challenge project. |

(6) A one day Design Challenge workshop was held on 02-03-2015 by ISB, Hyderabad in the college campus.

|   |
|---|
| Name of the event: A one day workshop on Design Challenge workshop  |
| Name of the Resource person: ISB Team-Hyderabad   |
| Venue: <b>DVR &amp; Dr. HS MIC College of Technology, Kanchikacherla, Andhra Pradesh</b>  |
| Date of the event: 02-03-2015   |
|    |
| Target audience: 36 enrolled TEP-ISB Students and SASI, Tadepalligudem students   |
| <p>Outcome of the event:</p> <ul style="list-style-type: none"> <li>Design challenge workshop is conducted in the college to impart the designing skills among the students to ideate, develop and prototype of a product.</li> <li>The workshop brought insight of the technical skills needed for the students to prototype a product.</li> </ul> |

(7) Guest Lecture on “Digital Marketing” was held on 8<sup>th</sup> September 2014 . Mr. Hrish Thota, Senior Manager, Social Technologies Division, Happiest Minds Technologies Ltd. Bangalore gave an insight on the topic with realtime applications related to modern emerging markets.

Name of the Resource person: Mr. Hrish Thota, Senior Manager,  
Social Technologies Division, Happiest Minds Technologies Ltd. Bangalore.

Venue: **DVR & Dr. HS MIC College of Technology, Kanchikacherla, Andhra Pradesh**

Date of the event: 8<sup>th</sup> September 2014



Target audience: IV B.Tech students & II MBA students

Outcome of the event:

- Mr. Hrish Thota gave an insight on the topic with realtime applications related to modern emerging markets.
- He brought the need of digital marketing in the developing countries and its impact on the growth of the economy.

**ACADEMIC YEAR: 2015-16**

(1) 22 students (2015-17 batch) from EEE, MECH, CSE Branches were selected for TEP- ISB program by ISB, Hyderabad.

| S.NO | REGD.NO    | NAME OF THE STUDENT    | BRANCH |
|------|------------|------------------------|--------|
| 1    | 13H71A0570 | MOHANANJALI P          | CSE    |
| 2    | 13H71A0565 | KAVYA D                | CSE    |
| 3    | 13H71A05A5 | TEJASWINI K            | CSE    |
| 4    | 13H71A0576 | NAVYA K                | CSE    |
| 5    | 13H71A05E7 | SRIJANI V              | CSE    |
| 6    | 13H71A0539 | SAI PRIYANKA G         | CSE    |
| 7    | 13H71A05F9 | VINEETHA K             | CSE    |
| 8    | 13H71A05B0 | APARNA SAI SINDHU V    | CSE    |
| 9    | 13H71A05B5 | GNANA NAGA BINDU V     | CSE    |
| 10   | 13H71A05E4 | SOWJANYA K             | CSE    |
| 11   | 13H71A05E2 | SAI VENKATA SATISH Y   | CSE    |
| 12   | 13H71A0532 | PRATHYUSHA V           | CSE    |
| 13   | 13H71A05B6 | HARITHA G              | CSE    |
| 14   | 13H71A0571 | MOUNIKA K              | CSE    |
| 15   | 13H71A0228 | PHANINDRA AJAY KUMAR G | EEE    |
| 16   | 13H71A0364 | ASHOK R                | MECH   |
| 17   | 13H71A0378 | JYOTHI SWAROOP CH      | MECH   |
| 18   | 13H71A0319 | NAGA VENU GOPAL M      | MECH   |
| 19   | 13H71A03A7 | TEJESWAR CH            | MECH   |
| 20   | 13H71A0311 | GOPI KIRAN G           | MECH   |
| 21   | 14H75A0320 | VENKATA SAI KIRAN A    | MECH   |
| 22   | 13H71A0362 | ADITYA CHANDRA M       | MECH   |

(2) A one day workshop on Entrepreneurship Development was organized for final year students (CIVIL, EEE, MECH, ECE, CSE) by Mr. G Sudarshan, Technical Consultant from National Small Industries Corporation(NSIC), Hyderabad on 04-08-2015.

|   |
|---|
| Name of the event: <b>A one day workshop on Entrepreneurship Development</b>    |
| Name of the Resource person: <b>Mr. G Sudarshan, Technical Consultant, NSIC</b> |
| Date of the event: <b>04-08-2015</b>  |
| Target audience: EEE,MECH,ECE,CSE students                                      |
|   |





Outcome of the event:

The resource people provided entrepreneurial orientation to the B.Tech students and motivated them to start new companies in various engineering branches.

He also gave insight of the government initiatives and policies to support engineers to start their own business.

(3) A 2 day workshop on Design Thinking on 15 th and 16 th September, 2015.

Name of the event: A two day workshop on Design Thinking @ Sir CRR engineering college, Eluru on Entrepreneurship Development

Name of the Resource person: Mr. Abi Paul, Ms. Aanchal, Ms.Roshini Pochant, ISB Hyderabad

Date of the event: 15-09-2015 & 16-09-2015

Target audience: EEE,MECH,ECE,CSE 22 Enrolled TEP-ISB students



Outcome of the event:

The resource people provided entrepreneurial orientation on design thinking aspects as per the ISB designed curriculum. MIC college students have participated in the workshop along with Sir CR Reddy Engineering college students.

(4) TEP-ISB Design Challenge contest Finals on 17 th December, 2015.

Name of the event: TEP-ISB Design Challenge contest Finals

Name of the Resource person: Mr. Abi Paul, Ms. Aanchal, Ms. Roshini Pochant ISB Hyderabad

Date of the event: 17-12-2015

Target audience: 2014-16 TEP ISB Enrolled students



## TEP-ISB DESIGN CHALLENGE CONTEST FINALS

| S No | Name of the Category                                 | Name of the Student     | Prize                       | Reward                      |
|------|--|-------------------------|-----------------------------|-----------------------------|
| 1    | Design of the Product-prototype- GASGAGE             | M Pavan Sagar (IV MECH) | SECOND PRIZE                | ISB memento                 |
|      |  | P Nagendra Babu(IV ECE) |                             | cash prize<br>Rs.10,000     |
|      |  | N Swetha(IV MECH)       |                             |                             |
|      |  | A Thanuja (IV EEE)      |                             |                             |
|      |  | A Naveen (IV CSE)       |                             |                             |
| 2    | Design of the Product-prototype- MILESENSE FUELMETER | M Sai Teja (IV MECH),   | FIRST PRIZE                 | ISB memento                 |
|      |  | Vyshnavi (IV ECE)       |                             | cash prize<br>Rs.50,000     |
|      |  | K Sudeepthi (IV ECE)    |                             |                             |
|      |  | K Madhuri (IV CSE)      |                             |                             |
| 3    | OUTSTANDING PERFORMER in the course work             | M Pavan Sagar (IV MECH) | OUTSTANDING PERFORMER AWARD | ISB memento +<br>SMARTPHONE |

### LIST OF TEP – ISB (2014-16) ENROLLED STUDENTS WHO GOT CERTIFICATE FROM ISB, HYDERABAD

| TEP ID | NAME ON THE CERTIFICATE         | BRANCH |
|--------|---------------------------------|--------|
| 1888   | MUNAGALA PAVAN SAGAR            | MECH   |
| 1884   | PUTTIGAMPALA NAGENDRA BABU      | ECE    |
| 1881   | KETHINENI MADHURI               | CSE    |
| 1894   | MUNAGALA SAI TEJA               | MECH   |
| 1868   | ATLURI THANUJA                  | EEE    |
| 1873   | NADIKATTU DEDEEPPYA             | ECE    |
| 1864   | ADUSUMALLI NAVEEN KUMAR         | CSE    |
| 1952   | VANKAYALA GUNA LAKSHMI VYSHNAVI | ECE    |
| 1875   | GANGIPOGU SUNNY                 | EEE    |
| 1878   | MUVVALA HARIKA                  | ECE    |
| 1898   | NIDUMUKKULA SWETHA              | MECH   |

|      |                                    |      |
|------|------------------------------------|------|
| 1893 | RAYAPUDI LEELA SAI VAMSIKRISHNA    | EEE  |
| 1896 | KATAMANENI SUDEEPTHI               | ECE  |
| 1876 | SIRIPURAPU GOWTHAMI                | MECH |
| 1877 | PAPPU HARIKRISHNA                  | MECH |
| 1902 | MOSALI VASAVI SAI LAKSHMI PRASANNA | ECE  |

**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**

- The policy of the institution is to make the students shine in curricular, co-curricular and extra-curricular activities. The institution believes that such students can prosper as wholesome engineers who will contribute to the sustained success of a society.
- Permission is given for students to participate in various competitions.
- Re-tests are arranged for the students who participate in the events conducted by other institutions at the time of internal exams.
- Rewards are given to the students who excel in competitions with notable performances.
- Sports uniform and other sports materials are given to the students who participate at zonal and university level competitions.

An “Initiative for Co-curricular and Extra-curricular Activities” (ICE) has been formed with a Senior Faculty Member as the convenor to promote co-curricular and extra-curricular activities among the students.

The activities of ICE are:

- (i) To conduct cultural activities in the campus throughout the year.
- (ii) To prepare the students for participation in extra-curricular activities off the campus.
- (iii) To organize cultural meets in the campus.
- (iv) To organize fresher’s day, farewells and annual day etc.
- (v) To promote General Hobby clubs (such as music, painting, photography etc) in the campus.

**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 exam such as UGC-CSIR-NET,UGC-NET, SLET,GATE/ CAT/GRE/ TOEFL /GMAT/ Central/State services, Defense, Civil Services, etc.**

| YEAR | NUMBER OF STUDENTS |
|------|--------------------|
| 2016 | 50                 |
| 2015 | 39                 |
| 2014 | 87                 |
| 2013 | 87                 |

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

- (i) **Counseling of students:** Twenty students are assigned to a faculty member in every class. The Counsellor interacts with the students once in a fortnight, reviews their attendance and academic performance and advises them to improve their performance. Counselling sheets are prepared for each student to facilitate the review. According to the we need, trained teachers are made available for personal counseling.
- (ii) **Counseling of girl students:** The departmental representatives of the Women's Empowerment and Grievances Cell and other women faculty members advise the girl students regarding their problems.
- (iii) **Learning Space:** About three to four faculty members are available in each department every day after the class hours by turns to clear the doubts of students.
- (iv) **Career Counseling:** Training and Placement Cell and the Finishing School Programme prepares the students through training programmes and also counsel them on Career options.
- (v) **Health and Hygiene** – Classes on Health and Hygiene are usually given to all the NSS volunteers
- (vi) **Yoga Training** - Training is provided to selected students for improving their concentration and lifestyle.



**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).**

**Training & Placement Cell**

- The College has established a Training and Placement Cell.
- Counselling and guiding of students, arranging project works in industries, industrial visits, industrial training during vacation, organizing campus interviews, providing job market information to students, giving necessary inputs to face the interviews, organizing Guest Lectures, arranging industrial training for students and arranging industrial internship for faculty are some of the activities of Training & Placement Cell.

**Activities of T & P Cell**

- Continuous updation of student master database for meeting the different requirements from organizations.
- Training the students to face the different patterns of examinations of private and public sector organizations.
- Creating awareness among students of possible career options and motivating them.
- Arranging mock sessions for enhancing the communication skills, group discussion techniques and written tests.
- Enable the students to appear for online assessment tests including as NASSCOM, COCUBES, AMCAT, METTL, TALENTSCAN, GLOBARENA, TALENTSPRINT etc.
- Arranging guest lectures by eminent personalities from the industry, to emphasize the ever changing needs of the industry and how to make one ready for it.
- Updating various departments about the requirements of the industry.
- Informing students about job opportunities with Public Sector Undertakings, providing them with the required forms and helping them to complete the same and dispatch them in time.
- Encouraging the students for internships in various IT/ITES and core companies.

| S No | Placement Year | Name of the Branch |     |     |      |       |     |     |     | TOTAL |
|------|----------------|--------------------|-----|-----|------|-------|-----|-----|-----|-------|
|      |                | CSE                | ECE | EEE | MECH | CIVIL | BT  | MBA | MCA |       |
| 1    | 2015-16        | 110                | 131 | 58  | 67   | 11    | --  | 61  | 1   | 439   |
| 2    | 2014-15        | 70                 | 77  | 51  | 35   | -     | --  | 39  | --  | 272   |
| 3    | 2013-14        | 64                 | 66  | 38  | 35   | ---   | --- | 47  | 3   | 253   |
| 4    | 2012-13        | 60                 | 57  | 24  | 25   | ---   | 10  | 55  | --  | 231   |

**LIST OF EMPLOYERS AND CANDIDATES SELECTED**

| <b>YEAR</b> | <b>LIST OF EMPLOYER</b>             | <b>NO. OF CANDIDATES<br/>SELECTED</b> |
|-------------|-------------------------------------|---------------------------------------|
| 2016        | 3w Zone Software Pvt Ltd            | 26                                    |
|             | All Online Tele Services Pvt Ltd    | 9                                     |
|             | Amazan                              | 3                                     |
|             | Auto Plus Electrical<br>Componenets | 10                                    |
|             | Best Infra Developers               | 20                                    |
|             | Capgemini                           | 1                                     |
|             | Css Corp                            | 1                                     |
|             | Efficacy Systems                    | 9                                     |
|             | Eos Globe Pvt Ltd                   | 25                                    |
|             | Exelacom                            | 1                                     |
|             | Experis It                          | 28                                    |
|             | Good Through                        | 10                                    |
|             | Infor Private Ltd                   | 2                                     |
|             | Infosys                             | 4                                     |
|             | Intarvo Technologies Pvt Ltd        | 19                                    |
|             | Intone Networks                     | 9                                     |
|             | Ivtl Info View Technologies         | 16                                    |
|             | Mindtree                            | 1                                     |
|             | Orchesys                            | 22                                    |
|             | Polaris                             | 25                                    |
|             | Sutherland Global Services          | 53                                    |
|             | TCS                                 | 10                                    |
|             | Tech Explore India Pvt Ltd          | 20                                    |
|             | Teslanik Integrated Systems         | 10                                    |
|             | Zf Steering Gear Ltd                | 21                                    |

#### 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 institution has a student grievance redressal cell with a senior Professor as the convenor. Each department has a faculty member in the cell. Suggestion boxes are set up in main areas of the campus. The boxes are opened on every first Monday and the fourth Monday of every month and the grievances are collected. The grievance redressal cell meets on the next day, discusses the grievances received and forwards its recommendations to the Principal for further action.

##### Grievance Redressal Cell Committee

|    |                    |   |     |
|----|--------------------|---|-----|
| 1. | Dr. B. Seshu       | – | BED |
| 2. | Dr. M Sarath Babu  | – | BED |
| 3. | G. Anantha Lakshmi | – | ECE |
| 4. | G. Kalyani         | – | CSE |
| 5. | B.R. Narendra      | – | EEE |
| 6. | Ch. Anil Kumar     | – | BED |
| 7. | Y. Jyothsna        | – | DMS |

**Grievance:** Quality of food in the canteen requires improvement

**Action:** Canteen contractor is seriously advised to improve the food quality and suggested to make few changes in the menu

**Grievance:** Requesting holiday on every Saturday to prepare for gate

**Action:** Students of final year are given holiday on every Saturday in 2<sup>nd</sup> semester to prepare for gate examination.

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

- The College has established a Women Empowerment & Grievances Cell in the college campus. The cell is active since 2014 to empower girl students, to enhance understanding of issues related to women and to look into the grievances of women, particularly, harassment against women to make the college campus a safe place for girl students and women employees. With a view to taking up women's issues and problems, the cell aims at creating awareness of their rights and responsibilities. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves.



- Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women empowerment through guest lectures, seminars, awareness programmes and other welfare activities.
- Women achievers from various fields are invited to share their experiences with students interact with them, give valuable tips which might motivate them, make them dream big and work towards realizing their dreams and to provide a safe environment for girl students and women employees.
- The responsibility of the Women Empowerment & Grievances Cell is to follow the Mandatory Guide lines and directions of JNTU KAKINADA regarding the security arrangements for Girl Students and Women staff of our Institution.

#### **OBJECTIVES:**

- To promote a culture of respect and equality for female gender
- To conduct seminars, workshops to make them aware of opportunities and tools available and train the women
- To create a conducive counseling environment for female gender to share their problems
- To motivate and inspire girl students in their pursuit for excellence
- To educate girl students on women specific health issues and measures to be taken.
- To make girl students realize their strengths and be empowered.

#### **VISION:**

Evolve all possible strategies for empowering women in technological and socio cultural aspects in a holistic way towards the betterment of the society.

#### **MISSION:**

The Women Empowerment & Grievances Cell shall strive to organise guest lectures, seminars, awareness programmes and other welfare activities to empower women.

#### **Roles and responsibilities of WEGC faculty Coordinators:**

1. To periodically organize guest lectures in different areas such as health, legal, career and social aspects.
2. To monitor and counsel girl students of their department, in the case of requirement.
3. To advise and support any girl student, if faced by any gender specific problem.
4. To conduct competitions such as presentations, elocution, essay writing and painting to encourage girl students to express their ideas.

5. Above all, to ensure a secure and progressive learning environment for the girl students.

#### **Roles and responsibilities of Student Representatives:**

They should be willing:

1. To spread the objectives of WEC among the girl students.
2. To participate actively in the events and competitions organized by the cell and encourage other girl students to participate.
3. To organize enthusiastically the events of WEGC under the guidance of the cell.
4. To interact regularly with the girl students of the class.
5. To interact regularly with the girl students of the class.
6. To bring to the notice of the faculty coordinators of their respective department, if any specific issue arises among the girl students.

#### **WEGC Committee Members:**

##### **Officer In-Charge:**

Dr. A Jayalakshmi, Professor & Head, Department of Computer Science & Engineering

##### **Members/ Department Coordinators:**

|                          |   |                   |
|--------------------------|---|-------------------|
| ❖ Mrs. A Sarada          | - | Department of ECE |
| ❖ Mrs. L Kanya Kumari    | - | Department of CSE |
| ❖ Ms. U Sravya           | - | Department of EEE |
| ❖ Mrs. K Shanmukhi       | - | Department of ME  |
| ❖ Mrs. V Ramya Sri       | - | Department of CE  |
| ❖ Mrs. S Sujatha Agarwal | - | Department of BED |
| ❖ Mrs. M Aruna Kumari    | - | Department of MBA |

#### **General Instructions given by WEGC to the students:**

- (1) Proper dress code should be followed. Body fit clothing, transparent or revealing outfits should be avoided. Salwar kameez with duppatta is advisable for girls.
- (2) Sharing of mobile phone numbers with unknown persons should be avoided.
- (3) Harassment of any nature should be reported to the higher authorities for redressal.

#### **Activities held in the Academic year 2014-15:**

- Conducted a Guest Lecture on “**Formulation of R&D initiatives for Women Scientists and Technologists**” for women faculty from all the departments on 1-08-2014 presided by Dr. A Jayalakshmi, Officer In Charge, Women Empowerment & Grievances Cell.

- Organized an Awareness program on “**Basic Behavioral etiquette for girl students**” for Girl students of all branches of II-I semester Diploma on 2-08-2014 presided by Dr. B Seshu, Professor , department of BED & Dr.A Jayalakshmi , Officer In Charge, Women Empowerment & Grievances Cell
- Organized a workshop on “**Quality Food – Healthy Life( Methods for Testing Food Adulteration)**” for women faculty from all the departments on 23-08-2014 presided by Ms. D.S.S Madhavi, Assistant Professor , Dept. of Chemistry.
- Organized a seminar on “**Changing role of a woman in the Society and the Behavioral challenges**” ” for Girl students of all branches of II b.Tech on 19-09-2014 & 20-09-2014 presided by MS. M Aruna Kumari ,Department of Management Sciences and Dr. B Seshu, Professor, department of BED.
- Organized an Awareness program on “**Basic Behavioral etiquette for girl students**” for Girl students of all branches of I year Diploma on 13-11-2014 presided by Ms M Aruna kumari, Assistant Professor, Department of Management Science.
- Organized a seminar on “**Changing role of a woman in the Society and the Behavioral challenges**” for Girl students of all branches of I B.Tech on 21-05-2015 presided by MS. M Aruna Kumari, Department of Management Sciences and Dr. B Seshu, Professor , Department of BED.
- No cases regarding sexual harassment have been reported in the college till date.

**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; there is an anti-ragging committee in the college consisting of teaching and non-teaching staff, parents, local media, and members of the local police. Anti-ragging slogans are displayed in main areas of the campus and in college website. Students can contact the anti-ragging committee members at any time in the day or night.. Hence the initiation of ragging is avoided.

**ANTI RAGGING COMMITTEE**

To curb ragging and to make the campus ragging free campus, a committee is constituted.

**CHAIRMAN:**

1. Dr. Y Sudheer Babu - Principal

**CONVENERS:**

2. Ch Vijaya Kumar HOD - Basic Engineering

## 3. N Sowraiah PHYSICAL DIRECTOR &amp; Warden, Gents Hostel

**MEMBERS:**

1. Mrs.A Sarada HOD - ECE
2. Dr. M Srinivasa Rao HOD-ME
3. Dr. A Jaya Lakshmi HOD-CSE
4. Mr. C V V D Srikanth HOD-DMS
5. Dr. T Vamsee Kiran HOD-EEE
6. Mr.N V Subba Rao HOD-CE
7. A. Anupama WARDEN-LADIES HOSTEL

**NON TEACHING MEMBERS**

1. SK Zakir Hussian, Chemistry Lab Technician.
2. L Naga Bhushanam, Mechanical Dept.
3. SK Meera Shareef, Physics Lab Technician.

**Parent Representatives:**

Sri. P.Venkateswara Rao : Kanchikacherla (Mandal )  
 Sri B Srinivasa Rao : One town, Vijayawada  
 Sri. V Mallikarjun : Rayanapadu, Vijayawada  
 Smt. D Ratnakumari :VTPS Colony,Ibrahimpatnam.

**Local Media:**

K.Srinivasa Rao : Reporter, Eenadu Daily News Paper  
 K.Venkateswara Rao : Reporter, Andhra Jyothi News paper  
 Non-Govt.(Social worker) : P.Subrahmaneswara Rao

**Police Dept.**

Sri Eswara Rao K : Sub-Inspector, Police Station, Kanchikacherla  
 Sri M Srinivasa Rao : Head Constable Police Station, Kanchikacherla.

**SQUADS FOR MONITORING****MEMBERS (FOR DEPARTMENT MONITORING)**

- |                         |   |     |
|-------------------------|---|-----|
| 1. Mrs. A SARADA        | - | ECE |
| 2. Mr. A PRABHAKAR      | - | ECE |
| 3. Mr. B JANAKI RAMAYYA | - | CSE |
| 4. Mrs. G KALYANI       | - | CSE |
| 5. Mr. D SRAVAN KUMAR   | - | EEE |
| 6. Mr. K SRINIVAS       | - | ME  |
| 7. Mrs. K.SHANMUKHI     | - | ME  |
| 8. Mr. N SUBBA RAO      | - | CE  |
| 9. Mrs. K MOUNICA       | - | CE  |
| 10. Dr. P V SRINIVAS    | - | BED |
| 11. Mrs. A ANUPAMA      | - | BED |
| 12. Mr. V PAWEL         | - | BED |

|                            |   |     |
|----------------------------|---|-----|
| 13. Mrs. Y PAVANI          | - | BED |
| 14. Mr. L N V H SOMASUNDAR | - | BED |
| 15. Mrs. SUJATHA AGARWAL   | - | BED |
| 16. Mrs. P VASAVI          | - | DMS |
| 17. Mr. P GURU PRASAD      | - | DMS |

#### **MEMBERS FOR CANTEEN & BUS AREAS**

|                            |   |     |
|----------------------------|---|-----|
| 1. Dr.V.SRINIVASA SAI      | - | ME  |
| 2. Mr. N NAGESWARA RAO     | - | ME  |
| 3. Mr. R VENKAT            | - | CSE |
| 4. Mr. J RANGA RAJESH      | - | CSE |
| 5. Mr. SHAIK RAHIL HUSSIAN | - | ECE |
| 6. Mr. T VIJAYA KANTH      | - | ECE |
| 7. Mr. S SURESH            | - | EEE |
| 8. Mr. M RAMESH KUMAR      | - | EEE |
| 9. Ms. K MOUNIKA           | - | CE  |
| 10. Mr. HVN PHANINDRA      | - | CE  |
| 11. Mr. M SRINIVASA REDDY  | - | BED |
| 12. Mr. G M SURESH         | - | BED |

#### **Anti-Ragging Policy**

##### **I. Awareness:**

Make the seniors aware of the ills of ragging and its consequences by way of posters, notices and counseling lectures by faculty class-in-charges, HOD's/ Principal/ Director/ Management Representatives/ police department and through undertaking by the students, parents etc.

##### **II. Avoidance:**

- (1) Enforcing measures to minimize contact between freshers and seniors, by staggered lunch and break timings for students of different years.
- (2) Forming anti-ragging squads, and
- (3) By continuous surveillance at vulnerable locations for ragging such as toilets, terraces, canteen, hostels, buses etc.

**III. Action:** Whenever a ragging case is reported, to take appropriate action through the discipline committee.

#### **Anti-Ragging Measures**

1. The Anti Ragging Committee comprising of the college staff, parents, media representatives and police personnel is constituted according to the instructions issued by the AICTE, UGC, and the University.

2. Banners discouraging ragging are displayed at the different locations in the college and hostels.
3. Anti Ragging Complaint box has been placed.
4. An Anti-Ragging Squad which is constituted with the staff and student members is on vigil throughout the day near the class rooms, buses, canteen and hostels.
5. As part of the orientation a counseling session is organized for the I Year students (Freshers) and their parents on the first day of academic session.
6. Surveillance cameras are arranged in the strategic locations.
7. Seminars are arranged to the senior students by the police department to make them aware about the consequences of ragging.
8. Undertaking forms are taken from the senior students and parents after explaining the consequences of ragging.
9. Separate class work timings are maintained for seniors and juniors to avoid their interaction.
10. Anti Ragging feedback is taken from the students to know about ragging.
11. Staff supervisors are arranged in all the buses to curb ragging.

### **Punishment for Ragging**

Following types of abuses and activities will be termed as ragging:

1. Physical abuse - for example forcing to eat, drink or smoke, forcing to dress or undress.
2. Verbal abuse - for example swear words and phrases, direct or indirect derogatory references to the person's appearance, attire, religion, caste, family or chosen field of study.
3. Forced activity - for example Chores for seniors e.g. copying notes, cleaning rooms, etc.
4. Not being allowed to attend classes.
5. Staying awake late or getting up at unreasonable times.
6. Singing or dancing or performing in any other way.
7. Using foul language or shouting or cheering loudly.
8. Misbehaving with strangers, particularly women.

Depending upon the nature and gravity of the offence as established the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following :-

1. Cancellation of admission
2. Suspension from attending classes
3. Withholding/withdrawing scholarship/fellowship and other benefits

4. Debarring from appearing in any test/examination or other evaluation process
5. Withholding results
6. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
7. Suspension/expulsion from the hostel
8. Rustication from the institution for period ranging from 1 to 4 semesters
9. Expulsion from the institution and consequent debarring from admission to any other institution.
10. Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggers.

An appeal against the order of punishment by the Anti-Ragging Committee shall lie,

1. In case of an order of an institution, affiliated to or constituent part, of the University, to the Vice-Chancellor of the University;
2. In case of an order of a University, to its Chancellor.
3. In case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.

The institutional authorities shall intimate the incidents of ragging occurred in their premises along with actions taken to the Council from time to time.

- No instances of ragging are reported in the last four years. This college is a Ragging-free campus.

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

- Details about the scholarships are intimated to the students through regular circulars.
- The Institute disburses financial aid sanctioned by the Government for deserving students on merit-cum-means basis in the form of tuition fee reimbursement
- The institute has a book-bank in the library for the benefit of SC students.
- The college provides prizes for the toppers and students with 100% attendance in each and every semester.

#### **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 called "MIC OLD STUDENTS ASSOCIATION (MICOSA)"

**MICOSA**

MICOSA was formed in 2006 when the first batch (2002-06) graduated. This association was initiated by the then Principal, Prof N.Krishna and Vice-Principal Prof.D.Panduranga Rao. Each of the graduating students have contributed Rs.200 from their caution deposit for the association. The college has deposited this amount in a separate account for conduct of yearly meetings and other activities of the association. It has decided to have its annual meeting every year from the 2010 in the month of September and October according to the convenience of the members of the association.

**The Objectives of MICOSA are:**

- To work with the management in the overall development of the college
- To conduct seminars, workshops and personality development programs which contribute in the development of knowledge of the students in different subjects
- To make the college as one among the best colleges in the country.
- To conduct annual meetings to provide a friendly environment for the alumni to meet.
- To increase the interaction between the college and industries.
- To work jointly with Training & Placement cell for providing more opportunities for the students.
- To award scholarships or awards to the students having merit in the subjects with highest distinction of marks from the College.
- To donate either in cash or kind to the poor students who cannot afford to pay the college fees etc.
- To create an official website with information useful to the members, college and public.



## ALUMNI MEETS

MICOSA's ANNUAL ALUMNI MEET AT HOTEL SWAGATH, KUKATPALLY,  
HYDERABAD ON 26<sup>TH</sup> SEPTEMBER 2010.



Nearly 150 alumni participated in this event which was presided by Our Secretary and Correspondent Prof D.Panduranga Rao. Alumni has shared their golden moments in the college and took the pledge of helping the college in its overall development. MICOSA has started its two chapters in Hyderabad and Bangalore. Alumni has elected their body in this meeting.

**ALUMNI MEET CONDUCTED ON 14-01-2012 AT BROOKS FUNCTION HALL,  
VIJAYAWADA.**



ALUMNI MEET FOR THE ACADEMIC YEAR 2014-15 CONDUCTED ON 10-01-2015.



## A WORKSHOP ON PERSONALITY DEVELOPMENT PROGRAM BY ALUMNI



Rizwan Pasha of CSE, Software Engineer at Wipro Technologies & Puttaganti Balaji of EEE Software Engineer at Oracle, acted as resource persons for the target group of II Year students of all branches.



## WORKSHOP ON PHP



A workshop on PHP Hands on Practice Session was conducted on 29-09-2014 for 66 candidates of III CSE by Alumnus P. Mohan Sai of CSE, Software Engineer at Kensium Solutions Pvt. Ltd., Hyderabad.

### CONTRIBUTIONS BY ALUMNI

| BATCH              | NAME  | SERVICE                       | BENEFICIARY                                    | AMOUNT<br>(Rs) |
|--------------------|---|-------------------------------|--|----------------|
| 2009<br>Mechanical | A.Dharani Kumar                                     | RO Water Purifier             | Adopted School<br>MPUP School,<br>Perakalapadu | 15,000         |
| 2010<br>Mechanical | L. Ravi Kumar<br>M. Sai Bhuvanesh<br>R. Sai Lathesh | Stationery &<br>Education Kit | Dumb & Deaf<br>Orphan – Annamma<br>School      | 15000/-        |
| 2010<br>EEE        | B. Yaswanth<br>Kumar                                | 3 LED Lights                  | Orphanage<br>Home                              | 10000/-        |
| 2008<br>CSE        | T.Naga Lakshmi                                      | LED TV                        | Apple Orphanage<br>Home                        | 8000/-         |
| 2011<br>EEE        | K.Niharika  | One-week<br>vegetables        | Apple Orphanage<br>Home                        | 1000/-         |
| 2008<br>EEE        | M.Manikantha<br>Kumar                               | 6 fans                        | MPUP School,<br>Perakalapadu                   | 9000/-         |
| 2009<br>MCA        | Karthikeya Kumar                                    | School Bags                   | MPUP School,<br>Perakalapadu                   | 2000/-         |
| 2007<br>Mech       | K.Sravan  | School Bags                   | MPUP School,<br>Perakalapadu                   | 2000/-         |

## 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.

| BATCH   | STUDENT PROGRESSION   | %      |
|---------|---|--------|
| 2012-16 | UG to PG  | 8.09   |
|         | PG to M Phil  | NA     |
|         | M.Phil to Ph.D  | NA     |
|         | Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Selection</li> <li>• Entrepreneurs</li> </ul> | 46.76  |
| 2011-15 | UG to PG  | 8.125  |
|         | PG to M Phil  | NA     |
|         | M.Phil to Ph.D  | NA     |
|         | Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Selection</li> <li>• Entrepreneurs</li> </ul> | 51.67  |
| 2010-14 | UG to PG  | 20.47  |
|         | PG to M Phil  | NA     |
|         | M.Phil to Ph.D  | NA     |
|         | Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Selection</li> <li>• Entrepreneurs</li> </ul> | 57.88  |
| 2009-13 | UG to PG  | 20.48  |
|         | PG to M Phil  | NA     |
|         | M.Phil to Ph.D  | NA     |
|         | Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus Selection</li> <li>• Entrepreneurs</li> </ul> | 67.385 |

**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.**

| YEAR OF PASSING | PROGRAMME      | NUMBER OF STUDENTS APPEARED | NUMBER OF STUDENTS PASSED | %      |
|-----------------|----------------|-----------------------------|---------------------------|--------|
| 2016            | B.Tech (Civil) | 70                          | 44                        | 62.85  |
|                 | B.Tech (EEE)   | 143                         | 79                        | 55.24  |
|                 | B.Tech (Mech)  | 139                         | 90                        | 64.74  |
|                 | B.Tech (ECE)   | 144                         | 114                       | 79.16  |
|                 | B.Tech (CSE)   | 122                         | 73                        | 59.83  |
| 2015            | B.Tech (EEE)   | 141                         | 99                        | 70.21  |
|                 | B.Tech (Mech)  | 71                          | 53                        | 74.64  |
|                 | B.Tech (ECE)   | 144                         | 111                       | 77.08  |
|                 | B.Tech (CSE)   | 124                         | 95                        | 76.61  |
|                 | M.Tech (EEE)   | 30                          | 18                        | 60     |
|                 | M.Tech (Mech)  | 2                           | 1                         | 50     |
|                 | M.Tech (ECE)   | 33                          | 30                        | 90.9   |
|                 | M.Tech (CSE)   | 17                          | 14                        | 82.35  |
| 2014            | B.Tech (EEE)   | 72                          | 66                        | 91.66  |
|                 | B.Tech (Mech)  | 72                          | 57                        | 79.16  |
|                 | B.Tech (ECE)   | 144                         | 124                       | 86.11  |
|                 | B.Tech (CSE)   | 137                         | 105                       | 76.44  |
|                 | M.Tech (EEE)   | 29                          | 23                        | 79.31  |
|                 | M.Tech (Mech)  | 10                          | 5                         | 50.00  |
|                 | M.Tech (ECE)   | 31                          | 30                        | 96.77  |
|                 | M.Tech (CSE)   | 18                          | 16                        | 88.88  |
| 2013            | B.Tech (EEE)   | 64                          | 58                        | 90.625 |
|                 | B.Tech (Mech)  | 66                          | 51                        | 77.27  |
|                 | B.Tech (ECE)   | 119                         | 102                       | 85.71  |
|                 | B.Tech (CSE)   | 122                         | 97                        | 79.5   |
|                 | M.Tech (EEE)   | 18                          | 14                        | 77.77  |
|                 | M.Tech (Mech)  | 12                          | 9                         | 75.00  |
|                 | M.Tech (ECE)   | 14                          | 14                        | 100    |
|                 | M.Tech (CSE)   | 16                          | 10                        | 62.5   |

The following table shows the comparison of performance of the institution with other colleges:

| YEAR    | MIC   | AMRITA SAI | MVR   |
|---------|-------|------------|-------|
| 2015-16 | 64.72 | 62.11      | 60.84 |
| 2014-15 | 74.58 | 70.38      | 71.55 |
| 2013-14 | 82.82 | 81.54      | 45.92 |
| 2012-13 | 83.01 | 64.04      | 57.48 |

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

- Programmes offered by various colleges and job opportunities are displayed regularly in the library and department notice boards.
- Awareness programmes are conducted to gain greater clarity regarding their interests and values, identify the gaps between their current strengths and abilities in relation to their future aspirations, and make plans to develop their personal learning.
- Career guidance programmes are held in preparing students for the world of work by equipping them with the skills to remain relevant in the global economy.
- Alumni meets are arranged periodically for providing career planning and placement assistance.
- MoUs have been signed with various industries.
- Finishing School Programme (FSP), and Campus Recruitment Training Programme (CRT) play a major role in facilitating student progression from education towards employment.

#### **Finishing School Programme:**

- An innovative program called “Finishing School Programme “has been made as a part of the curriculum to make students ‘placement- ready”
- The Finishing School Programme (FSP) focusses its energy on training students and making them ready as they go out into the world seeking employment.

#### **Objective of FSP:**

To enhance employability amongst Engineering graduates by imparting the required skills for sustained performance and success in career and thus to make them industry-ready.

#### **Focus of FSP:**

To bridge the industry-academia gap by enhancing the competency of engineering graduates through necessary training in soft skills like interpersonal & intrapersonal skills that include communication skills, attitude, behavior, etiquette, time management, goal setting,



team work, leadership skills, career planning and ethics in addition to the technical skills that they acquire through the curriculum, to facilitate their employability.

#### Organization of FSP Programme:

| CLASS     | FREQUENCY     | TOPICS   |
|-----------|---------------|--|
| 1 st Year | Once a week   | Basic behavioural etiquette  |
| 2 nd Year | Twice a week  | Quantitative aptitude, Logical Reasoning, Communication skills and Verbal ability          |
| 3 rd Year | Thrice a week | Quantitative aptitude, Logical Reasoning, Communication skills and Verbal ability          |
| 4 th year | Once a week   | Interview skills, Resume preparation, Group Discussion and Just a Minute (JAM ) techniques |

#### Campus Recruitment Training (CRT) programme

Under the aegis of the Training & Programme cell, the Campus Recruitment Training programme (CRT) conducts training programmes in various fields to supplement the technical knowledge acquired in the class room.

| ACADEMIC YEAR | S. No | YEAR             | TYPE OF TRAINING                                 | ORGANIZATION   | DATE/ DATE               |
|---------------|-------|------------------|--|--|--------------------------|
| 2014-15       | 1     | IV B.Tech        | Personality Development                          | Rajesh Murthy, Lead Institute of Personal Development, Bangalore | 5-8-2014                 |
|               | 2     | III B.Tech       | Design Workshop                                  | ISB, Hyderabad   | 19-9-2014 to 21-9-2014   |
|               | 3     | III B.Tech       | Soft Skills                                      | Md. Abdullah, Conduria Organization                              | 14-11-2014               |
|               | 4     | III B Tech       | Student Activity for Workshop Summary of modules | ISB, Hyderabad   | 15-11-2014               |
|               | 5     | III B Tech       | Personality Development                          | P.Ram Manoj, Ascension, Hyderabad                                | 21-11-2014 to 23-11-2014 |
|               | 6     | II B Tech        | Personality Development                          | Yandamuri Veerendra Nath   | 25-11-2014 to 27-11-2014 |
|               | 7     | IV B Tech        | Aptitude & Reasoning                             | FACE Academy Coimbatore  | 29-11-14 to 3-12-2014    |
|               | 8     | Diploma Students | Personality Development                          | KVSG.Murali Krishna JNTUK, Kakinada                              | 23-12-2014               |
|               | 9     | III B Tech       | Invite for session at ISB for students           | ISB, Hyderabad   | 30-1-2015                |
|               | 10    | III B Tech       | Faculty Development Workshop at ISB              | ISB, Hyderabad   | 7-2-2015 & 8-2-2015      |
|               | 11    | IV B Tech        | Aptitude & Reasoning                             | FACE Academy Coimbatore  | 10-2-2015                |
|               | 12    | IV B Tech        | KS Mohan   | TCS, Chennai   | 14-2-2015 & 15-2-2015    |
|               | 13    | III B Tech       | Design Challenge Workshop                        | ISB, Hyderabad   | 2-3-2015                 |
|               | 14    | III B Tech       | Inaugural of Industry Institute Interface        | ISB, Hyderabad   | 18-4-2015                |

| ACADEMIC YEAR | S. No | YEAR            | TYPE OF TRAINING                              | ORGANIZATION                                      | DATE/DATE               |
|---------------|-------|-----------------|---|---|-------------------------|
| 2013-14       | 1     | III & IV B Tech | Android App Development                       | COIGN Edu & IT Services Pvt Ltd                   | 8-7-2013 & 9-7-2013     |
|               | 2     | IV B Tech       | Career Options in PSUs                        | INDIAN NAVY                                       | 30-10-2013 & 31-10-2013 |
|               | 3     | IV B Tech       | Orientation on Emerging Technologies          | NIIT  | 26-11-2013              |
|               | 4     | IV B Tech       | TCS CRT                                       | FACE Academy Coimbatore                           | 17-2-2014 to 21-2-2014  |
|               | 5     | IV B Tech       | Infosys CRT                                   | COIGN Edu & IT Services Pvt Ltd                   | 14-3-2014 & 15-3-2014   |
|               | 6     | III B Tech      | Computational Thinking and Java               | IIIT, Hyderabad                                   | June 2013 to April 2014 |
| 2012-13       | 1     | III B Tech      | STEP  | IIIT, Hyderabad                                   | 20-06-2012              |
|               | 2     | IV B Tech       | Orientation on Microsoft Technologies         | Mr. Sudheer                                       | 26-06-2012              |
|               | 3     | IV B Tech       | Art of Living                                 | Art of Living Team, Vijayawada                    | 18-07-2012              |
|               | 4     | III B Tech      | Personality Development & Leadership Workshop | LEAD Institute of Personal Development, Bangalore | 03-08-2012              |
|               | 5     | IV B Tech       | Career Options in PSUs                        | INDIAN NAVY                                       | 03-10-2012              |
|               | 6     | IV B Tech       | E Plus Club                                   | The HINDU (Newspaper)                             | 20-10-2012              |
|               | 7     | III B Tech      | What it takes to be an entrepreneur?          | Chairman, Malaxmi Infra Ventures                  | 20-10-2012              |
|               | 8     | IV B Tech       | Indian Fiscal System                          | Reserve Bank of India staff                       | 22-11-2012              |

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

- Every student's progress is evaluated and the students who are at risk of failure are provided with academic counseling, supplementary materials, intensive coaching, etc.
- Heads of the Departments interact with students who are at risk of drop out to and their parents to find out the solutions to enable them to continue studies.

### 5.3 Student Participation and Activities

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

- The college provides excellent sports and games facilities in cricket, football, volley ball, throw ball, and athletics and indoor games.
- The physical education department, having three physical directors conducts competitions in various sports and games.

- Yoga classes are arranged for improving students' health and to control an individual's mind, body and soul.
- Competitions are conducted at frequent intervals by ICE (the initiative for co-curricular and extra-curricular activities) in various cultural and extracurricular activities like folk dances, classical singing, group singing, theatrical items, traditional heritage items, fine arts items, quiz, and literary items.
- Annual sports meet and annual fête called "MICFEST" are conducted.

**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.**

**STUDENT PARTICIPATION IN INTER-UNIVERSITY SPORTS**

| S.No | Regd. No   | Name                  | Year    | Branch   | Game       | Zone       | Tournament                   | Place      |
|------|------------|-----------------------|---------|----------|------------|------------|------------------------------|------------|
| 1    | 02H71A0457 | Vijaya Deepthi        | 2003-04 | ECE      | Chess      | AIU        | Sourashtra University        | Rajkot     |
| 2    | 02H71A0457 | Vijaya Deepthi        | 2004-05 | ECE      | Chess      | AIU        | Magadh University            | Bodhgaya   |
| 3    | 04H71A0431 | M. Poojitha           | 2005-06 | ECE      | Swimming   | AIU        | University of Kerala         | Trivandrum |
| 4    | 04H71A2352 | Veerendranath Rathode | 2006-07 | Bio-Tech | Kabaddi    | South      | Karnataka University         | Dharwad    |
| 5    | 05H71A0438 | P.Sasanka             | 2006-07 | ECE      | Swimming   | AIU        | Punjab University            | Chandigarh |
| 6    | 07H71A0364 | K. Bhagat Singh       | 2009-10 | MECH     | Chess      | South      | Periyar University           | Salem      |
| 7    | 08H71A0203 | Ch.Apurupa            | 2009-10 | EEE      | Basketball | South-West | Gandhi University            | Kottayam   |
| 8    | 09H71A0452 | K.Vijaya Santhi       | 2010-11 | ECE      | Badminton  | AIU        | SRM University               | Chennai    |
| 9    | 09H71A0458 | K.Anusha              | 2010-11 | ECE      | Badminton  | AIU        | SRM University               | Chennai    |
| 10   | 09H71A0487 | P.Sainadh             | 2010-11 | ECE      | Athletics  | AIU        | Acharya Nagarjuna University | Hyderabad  |
| 11   | 09H71A0240 | B.S.R.Krishna         | 2010-11 | EEE      | Kho-Kho    | South-West | Dr.B.R Ambedkar University   | SriKakulam |
| 12   | 10H71A04A1 | K.Siva Kumar          | 2010-11 | ECE      | Kabaddi    | South      | Karnataka University         | Dharwad    |
| 13   | 11H71A0568 | K.Gowtham             | 2010-11 | CSE      | Volleyball | South      | Kuvempu University           | Shimoga    |

|    |            |                      |         |            |                        |       |                                |                   |
|----|------------|----------------------|---------|------------|------------------------|-------|--------------------------------|-------------------|
| 14 | 08H71A0418 | P.Karthik            | 2011-12 | ECE        | Cricke<br>t            | South | Osmania<br>university          | Hyderabad         |
| 15 | 12H75A0505 | B.Vijaya Lakshmi     | 2011-12 | CSE        | Kabad<br>di            | South | University<br>of Madras        | Chennai           |
| 16 | 14H71A0187 | G.Sai Manoj          | 2014-15 | Civil      | Air<br>Pistol          | AIU   | Punjabi<br>University          | Patiala           |
| 17 | 13H71A0259 | Ch Hari Krishna      | 2014-15 | EEE        | Taekw<br>ondo          | AIU   | Anna<br>University             | Chennai           |
| 18 | 12H71A0233 | P.Murali Krishana    | 2014-15 | EEE        | Ball<br>Badmi<br>ntion | AIU   | SRM<br>University              | Chennai           |
| 19 | 14H71E00A5 | Ch Ravindra Babu     | 2014-15 | MBA        | Volle<br>yball         | South | Krishna<br>University          | Machilipatn<br>am |
| 20 | 12H71D3807 | G.Rajasekhar         | 2014-15 | M.TECH     | Kho-<br>Kho            | South | Anna<br>University             | Chennai           |
| 21 | 14H71E0059 | B Venkata<br>Karthik | 2015-16 | MBA        | Hand<br>ball           | South | Alagappa<br>university         | Chennai           |
| 22 | 14H71A0187 | G.Sai Manoj          | 2015-16 | Civil      | Air<br>Pistol          | AIU   | Banaras<br>hindu<br>university | Varanasi          |
| 23 | 14H71A0321 | M K V Sai Kumar      | 2015-16 | Mech       | Air<br>Pistol          | AIU   | Banaras<br>hindu<br>university | Varanasi          |
| 24 | 14H71D1505 | CH.Rahul             | 2015-16 | M.TEC<br>H | Baske<br>tball         | South | SRM<br>University              | Chennai           |

### 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 being taken into consideration for effective improvements.

**DVR & Dr. HS MIC College of Technology**  
**Kanchikacherla, Krishna Dist, Andhra Pradesh**

**FEEDBACK ON INSTITUTIONAL PROVISIONS**

Name:.....Branch:.....Roll No:.....

Present Position(Employment/Higher Studies/Entrepreneur,etc).....

Communication Address:.....

Permanent Address:.....

Ph.No.....Mobile:.....E-mail.....

**Dear Student,**

The Management & staff of MIC congratulate you on your graduation in Engineering/MBA/MCA.The college needs your feedback on the following points for further improvement of Institutional Provisions

\* \* \*

Note the marks allotted to each question in the square bracket opposite the question.

|           | Marks |      | Marks |              | Marks |                  | Marks |
|-----------|-------|------|-------|--------------|-------|------------------|-------|
| Very Good | 3     | Good | 2     | Satisfactory | 1     | Not Satisfactory | 0     |

1. The Library [ ]
2. The computing facilities in the college [ ]
3. The communication facilities like Phone, LAN,WAN,INTERNET [ ]
4. The Photocopying(Xerox) facilities [ ]
5. The usefulness of the college publications like Handbook, Newsletter, Yearbook. [ ]
6. Classrooms and teaching aids. [ ]
7. Labs [ ]
8. Training and Placement activities of the college. [ ]
9. The learning environment in the college. [ ]
10. Sports and Games facilities [ ]
11. Your suggestions for further improvement of the college. [ ]

.....

.....

.....

Signature of the Student

**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 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.
- Quest a quarterly newsletter is published by the college depicting the activities and achievements and the latest amendments in regulations.
- Department encourage the students to prepare paper presentations and display the working models during Aagama and MICFEST.

**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: Alliance of Civil Engineering Technology (ACET)

EEE: Electrical Zone of Neoteric Engineering (EZONE)

ME: MIC Association of Mechanical Engineers (MICAME)

ECE: Electronic Society for Proactive & Innovative Communication Engineers (eSPICE)

CSE: System Engineers Association of MIC (SEAMIC)

MBA: Management Impulse of MIC (MIMIC)

These 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. Workshop

## **INAUGURATION OF STUDENT ASSOCIATION OF CIVIL DEPARTMENT OF COLLEGE**



## **ONE DAY FACULTY DEVELOPMENT PROGRAM ON RESEARCH PROBLEMS AND SOLVING TECHNIQUES IN MATERIALS AND MANUFACTURING ENGINEERING**





## **A TWO DAY NATIONAL WORKSHOP ON COMPUTER AIDED ANALYSIS OF POWER CONVERTERS**



## **A TWO DAY NATIONAL WORKSHOP ON DESIGN AND DEVELOPMENT OF WEBSITE USING DREAMWEAVER**





## A THREE DAY WORKSHOP ON OVERVIEW ON LATEST TELECOM TECHNIQUES



- The departmental association registration fee is Rs.100 for all newly admitted students. There is no annual subscription fee. The college also makes budgetary allocations for student activities.
- In addition to the departmental associations, the student chapters of IETE, ISTE, IEI, CSI, ASME and IEEE also exist. Professional membership fee is collected from newly admitted students and every student has the choice to become the member of any of the above chapters.

### 5.3.5 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.

- Anti Ragging committee
- Women Empowerment & Grievance Cell
- Initiative for Co-curricular & Extra Curricular Activities
- Hostel Committee
- Canteen Committee
- Teachers day, Engineers day, Technical Fest, Annual Sports and College day committees.
- Student chapters of IETE, ISTE, IEI, CSI, ASME 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.

# **CRITERION-VI**

## 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.?

##### **Institute Vision:**

To nurture excellence in the field of Engineering by imparting quality technical education, inculcating core values with skills, knowledge and behavior to the learners, promoting research and technical services with global competence to the societal requirements.

##### **Institute Mission:**

- To provide state of the art infrastructure, instruction and preparing the students professionally deft and intellectually adept.
- To provide the qualified and experienced teaching faculty to mould the learners to compete in contemporary technical world.
- To provide socio-ethical exposure and holistic attitude in preparing responsible and informed citizens to build the nation.
- To provide international standards in conducting research, offering technical services by cutting edge technologies to meet the current and future challenges of technological developments.

##### **Quality Policy:**

##### **MICT Quality Policy is to achieve Customer Satisfaction**

- By providing quality education with global outlook.
- By bridging the Gap between Industry and Institution
- By developing Leadership qualities among Students.
- By providing continual improvement in imparting education.

##### **Distinctive Characteristics of the college:**

- State-of-the-art infrastructure.
- High caliber diverse faculty.
- Innovate teaching methods and learning resources.
- Focus on research, education, training and consultancy through an integrated industry-institute interaction.

- Highly disciplined environment.

#### **Vision for the future:**

- Sustaining accreditation at National / International level.
- Becoming autonomous to offer Industry specific programmes.

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

The college has a statutory committee called Governing body constituted as per the norms as per AICTE/UGC in order to decide on policy matters as well as to govern all the aspects of the institution. The body consists of total 15 members (list as per the enclosure) consisting of members from the trust, representatives of the college, university, AICTE, AP Government and from the industry. The governing body meets periodically to decide on all policy matters related to smooth functioning and development of the institution. A copy of the governing body members list and a sample copy of minutes of meeting are enclosed.

**Table 6.1 Members of Governing Body**

| S.No | Name of Member in BOG | Qualification & Current Position   | Position in BOG |
|------|-----------------------|--|-----------------|
| 1    | Dr. M.V.Ramana Rao    | ME, Ph.D, Managing Director, MIC Electronics Ltd, Hyderabad                          | Chairperson     |
| 2    | N.Srinivasa Rao       | M.A. Vice Chairman<br>DVR &Dr.HS MIC College of Technology,<br>Kanchikacherla.       | Member          |
| 3    | M.Srinivasa Rao       | BBA, Director (P&D),<br>DVR &Dr.HS MIC College of Technology,<br>Kanchikacherla.     | Member          |
| 4    | D.Panduranga Rao      | M.Tech(IITD), CEO,<br>DVR & Dr.HS MIC College of Technology,<br>Kanchikacherla.      | Member          |
| 5    | K.Janardhan           | ME, Secretary,<br>Dr.Hima Sekhar Degree & PG College,<br>Anakapalli.                 | Member          |
| 6    | Dr.T.Vamsee Kiran     | M.Tech, Ph.D, Professor,<br>DVR &Dr.HS MIC College of Technology,<br>Kanchikacherla. | Member          |

|    |   |  |                     |
|----|---|--|---------------------|
| 7  | Dr. M. Sreenivasa Rao   | M.E, Ph.D, Professor,<br>DVR & Dr. HS MIC College of<br>Technology, Kanchikacherla                               | Member              |
| 8  | Raavi Vishnu  | ME Chairman & MD,<br>Cosyn Limited, Hyderabad.   | Member              |
| 9  | Atluri Venkata Ram  | B.Tech, MS,<br>Founder and CEO of Taranti, Inc, USA  | Member              |
| 10 | Malleswara Durga Prasad   | M.Com, ICWA,FICS,<br>Vice President (F) & Company<br>Secretary, Prithvi Information Solutions<br>Ltd, Hyderabad. | Member              |
| 11 | Dr. V.P.Ch.Rao  | ME,Ph.D (Retd.Professor,<br>Andhra University,Visakhapatnam)   | Member              |
| 12 | AICTE Nominate  | To be nominated  | Member              |
| 13 | AP State Govt Nominee-<br>Dr. K.Uma Maheswara Rao               | Ph.D, Principal, Govt.Polytechnic<br>College, Nandigama, Krishna Dt.   | Member              |
| 14 | University Nominee-<br>Dr. K.Mallikarjuna Rao,<br>Director, IST | M.Tech,Ph.D, Professor, Associate<br>Professor,<br>Dept. of Physics, Univ.College of Engg<br>Kakinada, JNTUK.    | Member              |
| 15 | Dr. Y.Sudheer Babu  | M.Tech,Ph.D(IITM), Principal,<br>DVR &Dr.HS MIC College of<br>Technology,<br>Kanchikacherla.                     | Member<br>Secretary |

### Administrative Taxonomy

- Chief Executive Officer acts as management representative regarding the smooth execution of the system and involves in the state of improvement of the institution in association with the Principal of the college.
- Principal plans, implements and monitors all the academic activities in association with heads of the departments and ensures compliance to schedules and academic guidelines framed by the university. He also looks after other associated departments.
- Head of the departments look after all the academic activities of the respective departments.
- Two faculty members in the capacity of teacher representatives are members of the Governing Body. Hence they are actively involved in the decision-making process to sustain and enhance quality of education imparted by the institution.

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

- (1) The policy statements and action plans for fulfillment of the stated mission

In line with the quality policy stated in 6.1.1, the management takes responsibility in providing the facilities for learning and growth of the college. Prior planning is made by every department well before the commencement of the academic year and after critical study, the budget is allocated under various heads for improving infrastructure and development of the institute.

As many of the students are from the rural background there is a need to stress on improving their communication skills and make them job / placement ready by the time they leave the college. Keeping this in mind the English department is strengthened, which in turn reflects the mission statement.

The mission is also to produce highly competent engineers with excellent technical and behavioral skills. The students are trained in these aspects through regular curriculum, co-curricular activities like guest lectures, seminars and training in various other aspects. The Management proactively supports all these activities. Thus the leadership helps to mold the students into worthy citizens of the society.

**(2) Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

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

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

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

**(3) Interaction with stakeholders**

Keeping in mind the stakeholders whom the college has to serve such as students, faculty, parents, industry, the leadership focuses on how to interact with various stakeholders. The inputs and feed back about the functioning and various other aspects of the college is collected through a number of ways.

- Interacting and getting the opinion of the regular students through various platforms like grievance redressal committee, formal & informal feedback, counseling etc.
- Organizing parents meeting during the admission process, interacting with them during counseling and obtaining the views and suggestions of parents.

- Recording the opinions of the academicians and other eminent people when they visit the college.
- Interaction with faculty members through various formal and informal meetings and also obtaining feedback from them.
- Alumni is best source to obtain un-biased feedback basing on their experience within the college and the external world.
- The feedback of the recruiters from various companies helps the college to identify any improvements required in the talents of the students.

The college also tries to get feedback from the employers through the placement cell about the performance of our students working in their organization.

The feedback received from all stakeholders is 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 and the guardians also plays an important role in this. Thus, 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.

**(4) Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

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

**(5) Reinforcing the culture of excellence**

MICT always benchmarks itself with best institutes in the country and tries to implement the best practices. It channelizes the procedures and practices in tune with such practices to create an ambience that is most conducive for academic excellence.

**(6) Champion organizational change**

MICT follows a structured approach for ensuring that changes are implemented smoothly and successfully the lasting benefits of change are achieved. In order to accomplish this, MICT aligns stakeholder's expectations, communicates, and integrates with employees efforts for the growth of the institution. It makes use of performance metrics in terms of pass percentage, placement percentage, presentation in conferences, journal publication, accepted proposals, consultancy work etc to design



appropriate strategies. These are communicated to the employees so that they execute and accomplish the requirements as per the strategies set.

#### **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?**

In addition to the governing body, the following non-statutory committees have been formed for effective functioning of the institute to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time

##### **The non-statutory committees include:**

1. Academic Committee
2. Time Tables Committee
3. Examination Cell
4. ISO Committee
5. NBA Committee
6. Website Maintenance Committee
7. Discipline Committee
8. Anti-Ragging Committee
9. Transport Committee
10. Library Committee
11. Co-curricular and extra-curricular activities(ICE) Committee
12. Sports Committee
13. NSS Committee
14. Alumni Committee
15. Grievance Redressal Committee
16. Finishing School Program(FSP)
17. Women Empowerment & Grievances Cell(WEGC)
18. Entrepreneur Development Cell (EDC)

##### **Activities of non-statutory committees**

##### **Academic Committee:**

- To recommend various measures, to provide academic atmosphere in the campus.
- To prepare academic schedule on the basis of JNTU's schedule.
- To ensure that all faculty adopt better Teaching-learning Techniques.
- To ensure that the academic schedules are being met by frequent reviews.

- Ensure that Lab experiments are being properly handled by the students & sufficient instructions are given by the faculty.
- To fix up the list of experiments to be carried out in each lab.
- Ensure that the lab manuals are properly maintained.
- To analyze the results of end examinations and find the reasons for short fall of results if any and suggest corrective action.
- To promote quality based teaching methods in the learning process.

#### **Time Tables Committee**

- To fix up the slots for accessing centralized activities and facilities like FSP, sports, Library, canteen etc.,
- To ensure uniform work allotment.
- To provide effective solution to the problem of adjusting time tables.

#### **Examination Cell**

- To prepare the list of eligible students for attending University examinations.
- To prepare the list of re-admitted students and allotment of substitute subjects.
- Circulation of University communications to all the departments.
- To ensure flawless student registrations for semester end examinations.
- Preparation of condonation and detained student list.
- Coordination of effective internal and external lab exam process.
- Finalization and circulation of invigilators list to conduct the examinations.
- To allot the rooms for conduct of University examinations.
- To provide proper seating arrangement for the students to write the examinations as per the norms of JNTUK.
- To conduct external examinations as per the norms of JNTUK.
- To maintain a soft copy of the student marks and provides access to the departments.
- To maintain the records of the result analysis.
- To coordinate with JNTUK regarding projects.

#### **ISO Committee**

- To implement quality system - with a provision to make continuous improvements in teaching learning process.
- To continuously update internal quality policies and maintain a quality based educational system.
- To conduct timely audits for the assurance of quality in teaching-learning process.
- To take necessary actions and obtain corrective measures of NCRs.

**NBA Committee**

- Create awareness about output based NBA accreditation.
- Stimulate the academic environment and quality of teaching and research in the institute.
- Encourage innovation, self-evaluation and accountability in technical education.
- Promote necessary changes, innovation and reforms in all aspects of the working of the institution to encourage, motivate and contribute technical skills among the team.
- To make all the employees realize their academic objectives (like Cos, Pos, PEOs etc.,)

**Website Maintenance Committee**

- To maintain and process college/ University information.
- To update the website with information about recent activities conducted in the college.
- To provide e-mail facility to staff with college domain name.

**Discipline Committee**

- HODs and the staff are responsible in maintaining discipline in the department.
- To recommend various measures for maintaining proper discipline in the campus.
- To recommend measures to be taken to prevent ragging in the campus/in hostel/in buses/off campus.
- To ensure smooth functioning of the events conducted in the department as well as at the central level.

**Anti-Ragging Committee**

- To create ragging free atmosphere in the campus.
- Creating awareness among the students regarding ACTs and punishments pertaining to ragging activities.
- To create cordial relations among the students to fulfill organization mission and objectives.
- To keep continuous watch and vigilance over ragging so as to prevent its occurrence and recurrence.
- To deal promptly and stringently with the incidence of ragging brought to the notice.

**Transport Committee**

- To provide comfortable and safe conveyance to the students and staff of the college
- To provide bus facility to all areas in and around Vijayawada and the rural areas around the college at Kanchikacherla.

- To respond in time during any bus breakdown situations and emergency.
- To provide alternative mode of vehicle transportation during emergencies.
- To make drivers and cleaners available all the time during the working hours in the college.
- To monitor the working conditions and timely fuel filling schedules of all college vehicles.
- To alert the workers to service the vehicles at regular periods.
- To provide bus-pass to students.

### **Library**

- To prepare the budget requirements.
- To make available various books, news papers, magazines etc., in the library.
- To recommend the National/International journals to be provided in the library.
- To make available digital library facilities.
- To recommend the books to be purchased.
- To recommend the books to SC/ST book bank and attend the meetings called for by the Govt. Authorities.
- To arrange for the physical verification of the stock at the end of each year and recommend action to be taken for shortages if any.
- To ensure that the no of text books titles/ no. of volumes/no. of journals are maintained as per JNTU/AICTE Norms.

### **Co-Curricular & Extra Curricular Activities Committee**

- To conduct cultural activities in the campus spanned throughout the year.
- To prepare the students for participating in extra-curricular activities off the campus.
- To organize cultural meets in the campus.
- To organize fresher's day, farewells and annual day etc.
- To promote General Hobby clubs (such as music, painting, photography etc) in the campus.

### **Sports**

- To propose annual budget for sports.
- To promote good sports and gaming facilities in the campus.
- To ensure that maximum no. of students participate in intercollegiate and interuniversity tournaments.
- To organize sports meets in the campus.

**NSS Committee**

- Development of student personality through community service.
- To enable the students understand the strengths and weakness of the society.
- To develop a sense of social and civic responsibility among students.
- To apply their education in finding practical solution to individual and community problems.
- To motivate the students in acquiring leadership qualities.
- To develop capability to meet emergencies during National disasters.
- To inculcate the importance of National integration.

**Alumni Committee**

- To maintain proper records- Address (Postal, E-mail, Phone matters) of the Alumni.
- To conduct annual programmes of the Association.
- To get feedback on Pos/PEOs attainment from the Alumni as well as from employers.

**Grievances & Redressal Committee**

- To identify the grievances and solve the problems of the students.
- To redress and counsel the students.

**Finishing School Programme**

- To enhance the employability skills and to make students into industry ready.
- To facilitate continuous learning and development.
- To motivate and inspire continuously and instill confidence and enthusiasm.

**Women Empowerment & Grievances Cell**

- To promote a culture of respect and equality for female gender.
- To conduct seminars, workshops to make them aware of women rights and societal problems etc.,
- To create a conducive counseling environment for female gender to share their problems.
- To motivate and inspire girl students in their pursuit for excellence.
- To educate girl students on women specific health issues and measures to be taken.
- To make girl students realize their strength and be empowered.

**Entrepreneur Development Cell**

- To foster innovation and create an entrepreneurial culture in the institution
- To conduct Entrepreneurship Awareness campus (EAC), Entrepreneurship Development program (EDP), Skill Development Program (SDP).

- To promote linkages with Govt. institutions, industries & other organizations that is engaged in promoting small & medium enterprises.
- To provide services including information guidance to budding entrepreneurs.
- To develop incubation center and facilitate the interested entrepreneurs to test and simulate the ideas.
- Each of these committees organizes meetings and minutes periodically and implements the activities in their respective domains for effective functioning of the institute.

#### 6.1.5 Give details of the academic leadership provided to the faculty by the top management

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. Management protects the freedom of individual faculty members, appreciates their innovations and thereby ensures greater motivation. The top management encourages the members of faculty to present their suggestion and views for the development of the institution. The Management and Principal ensure harmonious climate of human relations between students, faculty members, and departmental heads leadership to enhance higher efficiency. The top management ensures great emphasis on Motivation for research and professional progression with a degree of liberty and also other acts of academics like:

- Pooling their academic resources, best expertise and experiences
- Giving autonomy to participate in R & D activities
- Freedom of action and decisions
- Freedom of research and publication
- Freedom of thought and expression

The faculty members are made to actively get involved themselves in decision making process at all levels. Various Committee meetings are conducted in which the faculty members provide suggestions on different issues like subject allotments, laboratory and library requirements, student projects, etc.

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

##### At Student Level:

- Conduct of student centric college events like conferences, Technical fests, cultural activities, sports etc.

- Involvement and coordination roles to students in all college activities, Club/Committee/Association activities
- Editorial board of College Magazine and Department Newsletter
- Organization of community services through NSS, ICE, etc.
- Active participation in entrepreneurial ventures and placement initiatives

#### **At Faculty level:**

- Freedom to take up academic pursuits and student related activities
- Organizing industrial visits and workshops
- As mentors and class advisors Planning and execution of several department activities, budget, purchase etc
- As coordinators for the preparation of ISO, NBA, NAAC inspections. Organizing College Day, Seminars / workshops / Model exhibitions, Engineers Day, Independence Day, Sports Day and other functions.

#### **As Head of the Department:**

- Planning , execution and monitoring the performance of the department
- Heading all the administrative and academic activities of the department and other committees mentioned earlier.

#### **As Principal:**

- Heading all the administrative and academic activities of the institution all the faculty members are involved in all the activities of the college. The senior staff members are appointed as conveners of various committees. Various co-curricular and extra-curricular activities are conducted under the guidance of faculty members with student representatives. In this way the college grooms leaders at all levels.

#### **6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?**

The college ensures decentralization and thus delegates at different levels ensuring good governance. Empowering heads of the departments 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 development programmes with the help of various committees. Allocation of budget is based on the proposals received from the department and once it is approved for a financial year and various operations can be performed by the head of the department, as envisaged in the approved budget.

The Head of the Department has the authority in deciding the activities and delegating the responsibilities to the staff members of the department.

The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, MoUs and work towards achieving its vision and mission.

Administration: Freedom to organize the administrative activities in accordance with the institutional policies.

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

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



## 6.2 Strategy Development and Deployment

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

The quality policy of the institute states “MICT is engaged in imparting quality technical education and training to prepare responsible technocrats for effective nation building. The quality policy aims at achieving customer satisfaction. It constantly strives towards achieving high standards of teaching, training and development of human resources by encouraging its faculty and staff to work as a team and to update their knowledge and skills continually to match the needs of industry.”

The institute strongly believes that to reach the position as stated in Vision and Mission statements, the human resource is the prime factor amongst the other resources. In the present scenario of liberalization and highly competitive world, to become a world class institute one has to bestow the end-user with the best possible service. Basing on this idea the quality policy was developed. All the activities are driven by the quality policy and are closely monitored. The various performance indicators like pass percentage, input ranks, placements, achievements in co-curricular activities of students and the achievements of the faculty will be critically analyzed each semester / year and reviewed.

#### Review

Successful implementation of the processes is monitored at various levels by evaluating the students’ performance by teachers, teachers’ performance by HOD and HODs’ performance by the Principal. The ISO Auditing and the co-ordination of IQAC in the various monitoring processes also help in the review processes.

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

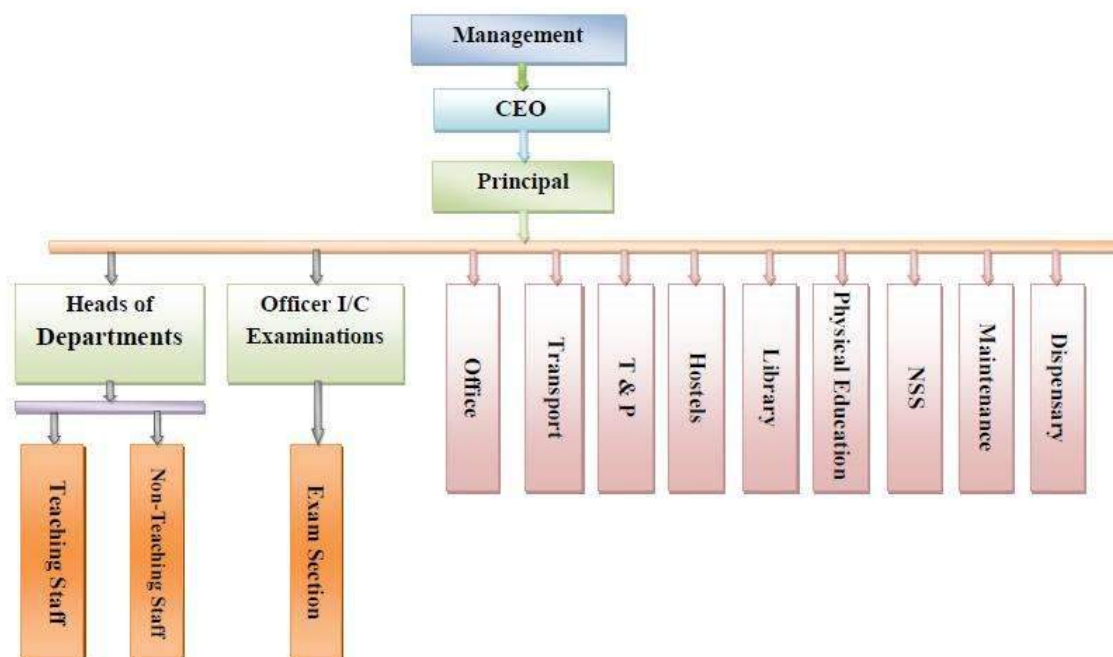
#### Perspective plans of the Institution

The institution plans the expansion and upgradation of infrastructure, modernization of existing facilities, research and development and adoption of new courses. The Principal and Heads of the departments, plan the academic activities, consultancy, MoUs, Innovations in teaching and learning process etc. The institute is striving hard for

- NBA accreditation
- NAAC accreditation
- Autonomous status

- More number of MoUs with Industries Improving the Industry Institute relationship.

### 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 & Information Centre 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
- Structured course files and lab manuals on all courses

- Academic audit
- Continuous improvement of resources

### **Research & Development**

- Formulation Research committee
- Allocation of budget for in house R & D
- Incentives and rewards for publications/ research o Financial assistance to students for making models.

### **Community Engagement**

- NSS activities
- Blood Donation Camps
- Free medical camps
- Plantation
- Street lights
- Providing infrastructure to schools
- Development of models for facilitating learning in schools

### **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**

- MoU's
- Organization 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 Principal initiates dialogue and discussion with various stakeholders through different committees, Cells/Clubs/Associations, Alumni and Parents and conveys the management about the feedback, views and sentiments of the

stakeholders for effective decision-making. The Principal interacts with Students, Alumni, Employers, Community, Academic peers, Industries and Parents

**Feedback from students:**

In the semester, for each course, student's feedback is taken in a structured format consisting of 10 major parameters pertaining to teaching- learning process. This feedback is collected by a faculty member, who does not handle the particular class, to ensure free and fair response.

The responses are subject to Data Processing and the results are analysed by the HoDs and the Principal, and the feedback is communicated to the faculty members concerned wherever necessary, for any remedial action and improvement.

Student's feedback on value added programmes conducted (for example guest lectures, seminars, employability camp, etc.) is obtained at the end of the programme by distributing suitable questionnaire. Based on their response changes necessary in organizing such events are suitably planned.

**Feedback from Alumni:**

The Placement & Training Cell in co-ordination with the faculty members in charge from each department has been attending to the task of collecting feedback from alumni.

The departments have created group e-mail ids in which one or two of the faculty members have joined as members. This arrangement facilitates regular interaction with the alumni and helps the department to understand their progress and obtain necessary feedback at the central level. The Placement and Training Officer co-ordinates the annual alumni meet and alumni association related activities. On completion of course, program outcomes attainment is collected from the graduates.

**Employers' feedback:**

The In-charge, Training and Placement Cell is continuously in contact with the organizations in which students are placed.

The feedback is obtained through the telephonic conversation and personal discussion with the HR Personnel and other senior officials of the organization and also through collection of details by sending a structured questionnaire.

Feedback is also obtained by the alumni from their employers and sent to the departments.

**Community feedback:**

The NSS Unit of the college has been actively involved in rendering services such as conducting awareness programmes in Environmental Protection, Health, First Aid and General Safety. Further, blood donation camps, literacy camps and teaching computer fundamentals to rural children are some of the other activities.

The students collect the feedback of the people who make use of such services regarding the help availed by them, suggestion for improvement and scope for expansion. This feedback helps to improve the quality of service in the future camps.

**Feedback from academic peers and industry:**

The college management members who are reputed academicians and industrialists give their feedback on the development and quality sustenance of the institution whenever they visit the campus and during CDC meetings.

Feedback is obtained from industry experts who visit the college to give Guest Lectures, conduct Training Programmes, Workshops etc.

**How are the feedbacks used for significant changes in the curriculum?**

The feedback from the students helps to understand the merits and weakness if any in the teaching-learning process and to take remedial measures like arranging guest lectures, special classes and industrial visits.

The feedback from the alumni and employers helps to understand the current industry needs and practices which can be passed on to the students to make them readily employable.

Community feedback helps to improve and expand the services rendered to the neighborhood community.

Feedback from academic peers and industry helps the institution to improve the quality of education and skill impartation and improve the competency level of the students.

The Head of the institution interacts with management very frequently. The head of institution appraises the management as he receives the feedback from parents, alumni, industry, teachers, students and the public with regards to the teaching quality, curriculum, extracurricular activities and infrastructural demands. In the meetings with Board of Governors 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 stakeholders within college through circulars and external stakeholders through college website and news letter published.

#### **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 encourages dynamism and expects proactive initiative of members. A quality suggestion of any member will be given due consideration in decision making. A systematic and participative management is the feature of the institution that leads to the determination of right direction. After making decision, concerned committees will implement it in true spirit with the guidance and cooperation of all the members. Thus promoting belongingness in faculty and staff paves the way for effectiveness and efficiency in the processes.

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

| S. No | Member                    | Nature                      |
|-------|---------------------------|-----------------------------|
| 1     | Dr. M V Ramana Rao        | Chairman                    |
| 2     | Sri. N Srinivasa Rao      | Member                      |
| 3     | Er. K Janardhan           | Member                      |
| 4     | Sri. D Panduranga Rao     | Member                      |
| 5     | Sri. M Srinivasa Rao      | Member                      |
| 6     | Prof V. Purna Chandra Rao | Academician                 |
| 7     | Prof. N Krishna           | Academician                 |
| 8     | Dr A. Guruva Reddy        | Academician                 |
| 9     | Yet to be nominated       | AICTE Nominee               |
| 10    | Sri. K Uma Maheswara Rao  | Govt. Nominee               |
| 11    | Dr. K Mallikarjuna Rao    | University Nominee          |
| 12    | Dr. K B K Rao             | Principal, Member Secretary |

Chairman Dr. M V Ramana Rao presided over the meeting. Sri N Srinivasa Rao, Vice-chairman gave a note on the items as per the agenda and were taken for discussion and approval.

**Item No. 2015.2.1:**

- To appraise the Board about submitting the application to AICTE for extension of approval and to reduce the intake in two M.Tech specialization for the A.Y: 2016-17.
- The Board noted and permitted to apply AICTE for extension of approval and sanctioned an amount of Rs 1.5 Lakhs for meeting the same, Further the board approved to apply for reduction of intake in M.Tech (C.S.E, DECE) from 32 seats to 18 seats for the A.Y: 2016-17 due to poor admissions made in previous years.

**Item No. 2015.2.2:**

- To appraise the Board about the purchase of 20 no CC Cameras for the college.
- The Board noted and permitted to purchase 20 no CC Cameras for supervision of student activities in and around the college campus for which, the board sanctioned an amount of Rs 1 Lakh.

**Item No. 2015.2.3:**

- To appraise the Board about purchase of a new car for the college to facilitate transportation of higher officials.
- The Board noted and approved to purchase a new car and sanctioned an amount of Rs 13 Lakhs.

**Item No. 2015.2.4:**

- To appraise the Board about the purchase of computers for computer labs and library
- The Board noted and permitted to purchase computers for labs and library further the board sanctioned an amount of Rs 30 Lakhs.

**Item No. 2015.2.5:**

- To appraise the Board about the procurement of Lab equipments for ECE, EEE, CIVIL and Mechanical departments.
- The Board noted and permitted to procure the required equipments for the departments and sanctioned an amount of Rs 18 Lakhs.

**Item No. 2015.2.6:**

- To appraise the Board about the 'MIC Fee Payment Portal', an in-house project developed by Department of CSE.
- The Board noted and appreciated the efforts and approved for deployment of the project for the benefit of Management, Accountants and counter in-charges.

**Item No. 2015.2.7:**

- To appraise the Board about the conduction of Aagama-16 and MICFEST in the college campus.
- The Board noted and permitted to conduct Aagama-16 and MICFEST in the college campus and sanctioned an amount of Rs 10 Lakhs to meet the expenses of the events.

**Item No. 2015.2.8:**

- To appraise the Board to approve the selection of faculty members ratified by JNTUK: Kakinada.
- The Board noted and congratulated the ratified staff members of various departments by JNTUK: Kakinada as per the list enclosed.

**Item No. 2015.2.9:**

- To appraise the Board about the award of Doctorate degree to Mr B. Janaki Ramaiah of CSE Department, Mr T.Sunil Kumar of Mechanical Department and Mr G. Prasanna Kumar of MBA Department.
- The Board noted and congratulated Dr. B. Janaki Ramaiah, Dr. T.Sunil Kumar and Dr. G. Prasanna Kumar for their significant achievement.

**Item No. 2015.2.10:**

- To appraise the Board about the ISO Recertification for A.Y: 2015-16.
- The Board noted ISO Recertification for A.Y: 2015-16.

**Item No. 2015.2.11:**

- To appraise the Board about the successful submission of Self Assessment Reports (SAR) of ECE, CSE, EEE and Mechanical departments.
- The Board noted the successful submission of Self Assessment Reports (SAR) of various departments and directed the college management to monitor further proceedings and for proper execution of NBA works.

**Item No. 2015.2.12:**

- To appraise the Board about the appointment of faculty members selected for various departments for the A.Y: 2015-16.
- The Board noted and approved the appointment of faculty members selected for various departments for the A.Y: 2015-16 as per the list enclosed.

**Item No. 2015.2.13:**

- To appraise the Board about the completion of new block construction for accommodating MBA and BED Departments.



- The Board noted and directed the Management to use the new block for MBA classrooms, MBA Staff rooms, BED Staff rooms, Physics Lab, Chemistry Lab, English Communication Lab.

**Item No. 2015.2.14:**

- To appraise the Board about the proposal to initiate the recruitment process for the Principal position of the college.
- The Board noted and approved to initiate the recruitment process for the Principal position and directed the management to release recruitment advertisement in the News Papers.

The Meeting ended with vote of thanks proposed by Dr. K B K Rao, Principal and Member Secretary.

Chairman Dr. M V Ramana Rao presided over the meeting. Sri N Srinivasa Rao, Vice-chairman gave a note on the items as per the agenda and were taken for discussion and approval.

**Item No. 2016.1.1:**

- To appraise the Board about the award of Doctorate degree to Mr M.Srinivasa Rao of Mechanical Department and Mr Mohbin of Physical Education Department.
- The Board noted and congratulated Dr. M.Srinivasa Rao, and Dr. Mohbin for their significant achievement.

**Item No. 2016.1.2:**

- To appraise the board about the NSS Activities conducted by the college during the A.Y: 2015-16.
- The board noted about the NSS Activities conducted by the college during the A.Y: 2015-16.

**Item No. 2016.1.3:**

- To appraise the Board about the games and sports activities conducted in the college for the A.Y: 2015-16.
- The Board noted and appreciated about the games and sports activities conducted in the college for the A.Y: 2015-16.

**Item No. 2016.1.4:**

- To appraise the Board about the following department wise budget proposals for approval for A.Y:2016-17.

| Department                   | Proposed Budget (in Rupees) |
|------------------------------|-----------------------------|
| EEE                          | 2900000                     |
| ECE                          | 3025000                     |
| CSE                          | 3200000                     |
| MECH                         | 2989612                     |
| BED                          | 230000                      |
| CIVIL                        | 1470878                     |
| LIBRARY                      | 3135000                     |
| Dept. of Physical Education  | 466500                      |
| <b>Total Proposed Budget</b> | <b>17416990</b>             |

- The Board noted and approved Department wise budget for A.Y:2016-17 as follows.

| Department                   | Approved Budget(in Rupees) |
|------------------------------|----------------------------|
| EEE                          | 2290000                    |
| ECE                          | 2715000                    |
| CSE                          | 2740000                    |
| MECH                         | 2730000                    |
| BED                          | 230000                     |
| CIVIL                        | 1200000                    |
| LIBRARY                      | 3135000                    |
| Dept. of Physical Education  | 400000                     |
| <b>Total Approved Budget</b> | <b>15440000</b>            |

**Item No. 2016.1.5:**

- To appraise the board about the number of faculty members deputed to attend Seminars / Workshops / Conferences / FDP / National and International Technical Paper Presentations during the A.Y: 2015-16.
- The board noted about the deputation of the faculty for Seminars / Workshops / Conferences / FDP / National and International Technical Paper Presentations during the A.Y: 2015-16. The Board is happy about the encouragement given to faculty.

**Item No. 2016.1.6:**

- To appraise the board about the results of Diploma, B.Tech, M.Tech, MBA and MCA during the A.Y: 2015-16.
- The board noted about the results of Diploma, B.Tech, M.Tech, MBA and MCA during the A.Y: 2015-16. The Board directed to initiate and take corrective measures to improve overall results of all branches.

**Item No. 2016.1.7:**

- To appraise the Board about the training & placement activities and the placement of students in the college for the A.Y: 2015-16.

- The Board noted about the placements of the students on-campus and off-campus interviews during the A.Y: 2015-16. The board directed the college to initiate appropriate steps to improve the placements of the students.

**Item No. 2016.1.8:**

- To appraise the Board about the National and International Journal publications made by the faculty of various departments in the college for the A.Y: 2015-16.
- The Board noted and appreciated the faculty members of the various departments for their National and International Journal publications during the A.Y: 2015-16. The board directed the college to encourage such research activities among the faculty members.

**Item No. 2016.1.9:**

- To appraise the Board about the list of academic toppers of the college during the A.Y: 2015-16.
- The Board noted and appreciated the following academic toppers during the A.Y: 2015-16.

| S. No                        | Branch | Name of the Student       |
|------------------------------|--------|---------------------------|
| 1                            | EEE    | Ms Ch. Sindhuja           |
| 2                            | ECE    | Ms S. Akhila Vasavya      |
| 3                            | CSE    | Ms P. Sravya Priyanka     |
| 4                            | MECH   | Mr P. Siva Hari Krishna   |
| <b>Best Outgoing Student</b> |        | <b>Mr T. Narayana Rao</b> |

**Item No. 2016.1.10:**

- To appraise the Board about the proposal to initiate faculty recruitment process to fill the vacancies for the A.Y: 2016-17.
- The Board noted and accorded permission to initiate the recruitment process for the A.Y: 2016-17 and further directed the management to release recruitment advertisements in various News papers.

**Item No. 2016.1.11:**

- To appraise the Board about the surveillance of ISO Certification for A.Y: 2016-17.
- The Board noted and approved to apply for surveillance of ISO Certification for A.Y: 2016-17 further the board directed the college management to make necessary arrangements.

**Item No. 2016.1.12:**

- To appraise the Board about the NBA proceedings in the college and expected NBA inspection at the campus.

- The Board noted and restated that the NBA Inspection may be conducted very soon in the college campus.
- The Board noted and directed the management to strengthen all the departments and gear up with proper documentation.
- The Board further stressed the departments to put more efforts to meet the deadlines of NBA Inspection.
- The board insisted to conduct Mock NBA Audits in the departments with the experts of industry and academia.

**Item No. 2016.1.13:**

- To appraise the Board and to ratify the appointment of Dr. Y Sudheer Babu as the Principal of the college.
- The Board noted and ratified Dr. Y Sudheer Babu as the Principal of the college.

The Meeting ended with vote of thanks proposed by Dr. K B K Rao, Principal and Member Secretary.

**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, university makes a provision to make the institution an autonomous institute with a clear process to be followed (like NBA, NACC accreditation etc.). All the eligible four B.Tech courses (ECE/CSE/EEE/MECH have already been accredited by NBA. Now the application is being made for NAAC accreditation.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?**

The grievances redressal committee is headed by the senior faculty member and all problems will be solved within a time frame. Appropriate committees will be formed to look into the grievances if needed, and they will be addressed. The mentoring system also helps in taking prompt action on any complaint received from the students. The complaint box placed in each department also helps in identifying the problems in anonymity also.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

NO

### 6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

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 monitoring 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.

Each Department has been collecting feedback from alumni.

The Departments have created group e-mail ids of alumni. This arrangement facilitates regular interaction with the alumni and helps the department to understand their progress and obtain necessary feedback at the central level. The Placement and Training Officer co-ordinates the activities such as alumni meet alumni association etc.

Based on the students feedback

- Management creates additional infrastructure facilities.
- Faculty members are given suggestions to improve the quality of their teaching.
- The programmes that improve the skill of students are organized.
- Certain additional research facilities are created.

## 6.3 Faculty Empowerment Strategies

### 6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The institution supports the teaching and non-teaching staff to enhance professional development by:

- Encouraging faculty members to associate with State, National and International professional bodies like ISTE, IETE, CSI, ACM, IEEE, etc.
- Providing latest study materials including e-Journals, NPTEL lectures to the faculty members through the Digital library.
- Encouraging participation of faculty in Conferences and Workshops, Orientation Programmes, Refresher Courses, Seminars.
- Providing internet facility to get into the vast ocean of available information.
- Conducting Faculty Development Programmes to train the teachers in different fields of engineering.
- Sponsoring faculty & staff for attending workshops, conferences at national and international level by granting special casual leaves.
- Organizing various professional development activities.
- Encouraging faculty to deliver invited talks' outside the College.
- Providing industrial training to staff.
- Encouraging faculty to involve in consultancy projects.
- Providing incentives to the faculty for research and publications.
- Encouraging faculty to apply for various funding agencies for research oriented projects.
- Encouraging departments to organize skill development programmes for both teaching and non-teaching staff.

### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

Faculty is always motivated to upgrade their qualification.

Encouraging faculty to attend seminars / Conferences.

Awards and rewards are given by management for staff for their contribution to the college in annual day celebrations.

Subsidized canteen and free transport facilities are provided for all the staff members.

Training new Faculty on teaching methodologies(Wipro mission 10X) & content delivery by the senior faculty of the organization.

Training the faculty on advanced technologies by eminent external faculty from industry and academia through Faculty Development Programmes.

Deputing faculty to refresher courses / FDPs/seminars for professional development.

Providing financial incentives to faculty who published research papers in various journals and conferences.

Giving best teacher awards to the faculty based on faculty performance appraisal and

Nominating faculty for best teacher awards of the University.

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.

### 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.

A Four Tier annual appraisal system is to be followed to appraise the performance of Professor, Associate Professor & Assistant Professor level, Which consists of

- I. Faculty Self-Appraisal
  - (a) Teaching and contribution to Academia
  - (b) R & D
  - (c) Extension / Other Activities
- II. Appraisal by Head of the Department
- III. Appraisal by the Principal
- IV. Appraisal by the Management

#### Weightage of Appraisal

(a) For Teaching Staff

| Appraisal By | Asst Prof | Associate Prof /Professor | HOD |
|--------------|-----------|---------------------------|-----|
| HOD          | 70%       | 60%                       | -   |
| Principal    | 20%       | 20%                       | 60% |
| Management   | 10%       | 20%                       | 40% |

(b) For Non-Teaching Staff

| Appraisal By | Without student interaction |
|--------------|-----------------------------|
| HOD          | 70%                         |
| Principal    | 20%                         |
| Management   | 10%                         |

The proforma of performance appraisal form as follows:

## Performance Appraisal Form for the A.Y. \_\_\_\_\_

**Devineni Venkata Ramana & Dr. Hima Sekhar**  
**MIC College of Technology**

**Particulars of the Teacher:**

1. Name:
2. Designation:
3. Department:
4. Educational Qualification:
5. Total length of the service in this college:
6. Total length of the service:

**Evaluation of Teacher Performance**

| Performance Parameter                 | Max Points | Self Appraisal | HOD Appraisal |
|---------------------------------------|------------|----------------|---------------|
| Teaching and contribution to Academia | 300        |                |               |
| Research and Consultancy              | 125        |                |               |
| Extension                             | 75         |                |               |
| <b>Total</b>                          | 500        |                |               |

**Loss of pays if any (Current year):** Yes / No

If Yes: No. of Days \_\_\_\_\_ No. of Times \_\_\_\_\_

| Evaluation by       | SCORE                        |                              |                                    |
|---------------------|------------------------------|------------------------------|------------------------------------|
|                     | Asst. Prof.                  | Assoc. Prof / Prof           | HOD                                |
| <b>HOD</b>          | 70%<br>(0.7 x HOD Appraisal) | 60%<br>(0.6 x HOD Appraisal) | —                                  |
| <b>PRINCIPAL *</b>  | 20%                          | 20%                          | 60%<br>(0.6 x Principal Appraisal) |
| <b>MANAGEMENT *</b> | 10%                          | 20%                          | 40%                                |
| <b>Total</b>        |                              |                              |                                    |

**\*Based on personal Assessment/Interview**

**Recommendations:**

**Head of the Department**

**Principal**

**Management**



| SNO   | PERFORMANCE PARAMETER   | SELF APPRAISAL | HOD APPRAISAL |         |         |         |         |         |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|---|---|----------------|---------------|---------|---------|---------|---------|---------|---|---|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|-------------------------------------|---------|---------|---------|---------|---------|------------------------------|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|---|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|---------|-------------------------------|---------|---------|---------|---------|---------|--|---------|---------|---------|---------|---------|
| 1   | <b>Teaching and Contribution to Academia (Max Score:300)</b><br>A) Assessment of teacher on a 5 Grade scale where grades 1 to 5 correspond to: Poor, Satisfactory, Good, very good and excellent respectively (Max Score:100)   |                |               |         |         |         |         |         |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | <table><tr><th>Score</th><th>10</th><th>8</th><th>6</th><th>4</th><th>2</th></tr><tr><td>Availability to students during working hours</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Punctuality to classes and Regularity in taking classes as per time table</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Maintenance of Attendance Registers</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Maintenance of Lecture dairy</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Arranging class room seminars to the students</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Regularity in giving home assignments and providing solutions</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Promptness of returning answer scripts to students</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Availability for examination work including invigilation</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Counseling students regularly</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr><tr><td>Participation in Department Activities</td><td>Grade 5</td><td>Grade 4</td><td>Grade 3</td><td>Grade 2</td><td>Grade 1</td></tr></table> |                |               | Score   | 10      | 8       | 6       | 4       | 2 | Availability to students during working hours | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Punctuality to classes and Regularity in taking classes as per time table | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Maintenance of Attendance Registers | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Maintenance of Lecture dairy | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Arranging class room seminars to the students | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Regularity in giving home assignments and providing solutions | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Promptness of returning answer scripts to students | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Availability for examination work including invigilation | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Counseling students regularly | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 | Participation in Department Activities | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |
|   | Score   |                |               | 10      | 8       | 6       | 4       | 2       |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Availability to students during working hours   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Punctuality to classes and Regularity in taking classes as per time table   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Maintenance of Attendance Registers   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Maintenance of Lecture dairy  |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Arranging class room seminars to the students   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Regularity in giving home assignments and providing solutions   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Promptness of returning answer scripts to students  |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Availability for examination work including invigilation  |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Counseling students regularly   |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
|   | Participation in Department Activities  |                |               | Grade 5 | Grade 4 | Grade 3 | Grade 2 | Grade 1 |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |
| B)Student feedback on teacher performance (last 2 semesters average)<br>(Max. score: 100) |   |                |               |         |         |         |         |         |   |   |         |         |         |         |         |   |         |         |         |         |         |                                     |         |         |         |         |         |                              |         |         |         |         |         |   |         |         |         |         |         |   |         |         |         |         |         |  |         |         |         |         |         |  |         |         |         |         |         |                               |         |         |         |         |         |  |         |         |         |         |         |

|          | <table><tr><th>Feedback</th><th>Score</th></tr><tr><td>&gt;=95</td><td>100</td></tr><tr><td>90 -&lt;95</td><td>90</td></tr><tr><td>85-&lt;90</td><td>80</td></tr><tr><td>80-&lt;85</td><td>70</td></tr><tr><td>75-&lt;80</td><td>60</td></tr><tr><td>70-&lt;75</td><td>50</td></tr><tr><td>65-&lt;70</td><td>40</td></tr><tr><td>60-&lt;65</td><td>30</td></tr></table><br><br><p>C)Results of Subjects (last 2 semesters average) (Max. score: 100)</p> <table><tr><th>Result</th><th>Score</th></tr><tr><td>&gt;=95</td><td>100</td></tr><tr><td>90 -&lt;95</td><td>90</td></tr><tr><td>85-&lt;90</td><td>80</td></tr><tr><td>80-&lt;85</td><td>70</td></tr><tr><td>75-&lt;80</td><td>60</td></tr><tr><td>70-&lt;75</td><td>50</td></tr><tr><td>65-&lt;70</td><td>40</td></tr><tr><td>60-&lt;65</td><td>30</td></tr></table> | Feedback | Score | >=95 | 100 | 90 -<95 | 90 | 85-<90 | 80 | 80-<85 | 70 | 75-<80 | 60 | 70-<75 | 50 | 65-<70 | 40 | 60-<65 | 30 | Result | Score | >=95 | 100 | 90 -<95 | 90 | 85-<90 | 80 | 80-<85 | 70 | 75-<80 | 60 | 70-<75 | 50 | 65-<70 | 40 | 60-<65 | 30 |  |  |
|----------|--|----------|-------|------|-----|---------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|-------|------|-----|---------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|--|--|
| Feedback | Score  |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| >=95     | 100  |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 90 -<95  | 90   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 85-<90   | 80   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 80-<85   | 70   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 75-<80   | 60   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 70-<75   | 50   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 65-<70   | 40   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 60-<65   | 30   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| Result   | Score  |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| >=95     | 100  |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 90 -<95  | 90   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 85-<90   | 80   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 80-<85   | 70   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 75-<80   | 60   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 70-<75   | 50   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 65-<70   | 40   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 60-<65   | 30   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |
| 2        | <p><b>RESEARCH AND CONSULTANCY (MAX SCORE:125)</b></p> <p>A) Research guidance (Max. score : 25)</p> <p>i) M.Phil./MTech: 5 (each)</p> <p>ii) Ph.D. : 10 (each)</p> <p>B) Research publications (last 2 years) (Max Score :50)</p> <p>i) National refereed journals (5 Each)</p> <p>ii) International refereed journals (10 Each)</p> <p>iii) Cumulative impact factor</p> <p>C) Seminars/conferences/symposia /workshops attended and presented papers/delivered keynote addresses</p> <p>For each : 5 marks (Max. score : 30)</p> <p>D) Seminars/conferences/symposia/workshops organized by the teacher in the Department (Max. score: 20)</p> <p>For each: 5 marks</p>   |          |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |        |       |      |     |         |    |        |    |        |    |        |    |        |    |        |    |        |    |  |  |

|   |   |  |  |
|---|---|--|--|
| 3 | <p><b>Extension / other activities: (Max. Score:75)</b></p> <p>A)Extension / Extra-curricular activities involved in (Max. score : 20)</p> <p>The activities may include contributing to: environment protection, healthcare in rural/slum population, adult literacy, nation building activities, etc.</p> <p>For any recognized and authenticated activity : 05 (each)</p> <p>B)Membership of Professional Societies, Membership of Governing /Executive / Advisory body of an industry or other sector</p> <p>(Max. score : 15) Each : 05</p> <p>C)Administrative assignments (including Head of Department, NAAC Coordinator, ISO Coordinator, Internal Exams Coordinator, Lab Manuals preparation, Attendance Coordinator etc.,) held in last 2 semesters (Max. score : 40)</p> <p>For each assignment per year: 5</p> |  |  |
|   | <b>TOTAL</b>  |  |  |

**\*For HOD : HOD's self Appraisal shall be authenticated by the Principal**

**Signature of HOD**

**Signature of Faculty**

#### 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?

The Principal / HOD will discuss the results of the appraisal with every employee. Continuous and sustained performance will be a necessary requirement for internal promotions, for selection as HOD's or Sectional Chairman of various committees, selection for incentives, deputation, eligibility for study leave and other financial benefits, awards, etc. Appraisal reports will be place in their respective files. The annual appraisal report is required to be submitted at the end of December of each year, based on which annual increments are considered.

#### 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?

- Free Transport facility for Professors and Associate Professors and subsidized transport charges for remaining staff members.
- Incentives, Promotion and increments are given regularly.
- Maternity leave and post maternity are provided for once.
- Earned Leave, Employee provident fund, Medical Leave is provided.
- Sponsorship to Workshops/Seminars/Refresher 100% Registration Fees, by providing On Duty or special casual leave.
- Group mobile plans are provided based on the necessity.
- Medical Leave and Special Casual Leave on medical grounds is provided. About 20-30% of the total faculty had availed various benefits in the last four years.

#### 6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Providing an academic environment conducive for teaching, pursuing research, participation in curricular, co-curricular, extra-curricular, training and placement activities aimed to enhance the quality of education, competency of the students and the reputation of the Institution. Systematically conducted appraisal and giving due recognition and awards for good performance, making available a number of staff welfare schemes, maintaining a good administrative system and offering attractive salary to attract and retain the eminent faculty. All the welfare schemes outlined in section 6.3.5 above help the institute to attract and retain faculty.

D.A increments and Annual increments are paid regularly.

- Women faculty is provided with maternity leave for 10 weeks.
- Publicizing faculty achievements through notices, mails and website.
- Medical Leave and Special Casual Leave on medical grounds.
- Winter and summer vacations.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The financial resources of the college are managed in a very effective and fool proof manner. There is a fully-computerized accounts department in the college. The following three types of accounts are created:

- Receipts & Payment Accounts
- Income & Expenditure
- Accounts Balance Sheets
- Financial Requirement Assessment
- Financial assessment is done for both academic and administrative activities.

#### **For Academic Activities**

Heads of respective departments prepare the budget proposals in consultation with Principal keeping in view of the existing courses and the new courses for the forth coming semesters. Considering the College Academic Committee recommendations, HoDs prepare the budget proposals for conducting various activities with the help of respective budget coordinators.

#### **For Administrative Activities**

Head of the Institution prepares the budget proposals for the administrative activities in consultation with the accounts section. Keeping in view of the recommendations of the Governing Body, Principal prepares the budget proposal for all the administrative activities.

The Budget Committee consisting of Principal & HoDs consolidate the individual budget proposals. In the light of available resources, recommendations will be submitted to the Governing Body. Based on the recommendations of the Governing Body, Chairman will sanction institutional budget for the financial year.

Management authorizes the Principal to allocate the sanctioned amount to the Departments of the institution. Accordingly, Principal issues budget sanctioned orders to the departments.

#### **Budget Utilization**

HoDs utilize the sanctioned amounts as per their requirements. HoDs send a requisition to the Principal for purchase of items. After receiving quotations from the suppliers, HoDs prepare a comparative statement and make recommendations for purchase. The Purchase Committee will finalize the indent for placing order. Every payment is made through cheque only which is to be authorized by Chairman/Principal.

After every purchase entry will be made in the respective department stock registers and financial transactions are recorded in the books of accounts.

#### **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. The last audit was done on 2<sup>nd</sup> November 2016. 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.**

The Source of income for the college is tuition Fees collected from the students.

Audited data for income and expenses for the last 4 years is as shown:

| S.No. | Description            | 2015-16          | 2014-15          | 2013-14          | 2012-13         |
|-------|------------------------|------------------|------------------|------------------|-----------------|
| 1     | Income                 | 220539666        | 193975151        | 158824929        | 134330910       |
| 2     | Academic Exp.          | 114290827        | 83210924         | 74159027         | 64528438        |
| 3     | Administrative Exp.    | 60004211         | 49552774         | 41389071         | 34936462        |
|       | <b>Total Expenses:</b> | <b>174295038</b> | <b>132763698</b> | <b>115548098</b> | <b>99464900</b> |

#### 6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any)

The college is bearing all the expenditures within the internal source of income only and no efforts were made for securing additional funding till now.

### 6.5 Internal Quality Assurance System (IQAS)

#### 6.5.1 Internal Quality Assurance Cell (IQAC)

##### a. Has the institution established an Internal Quality Assurance Cell (IQAC)?

**If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes, institution has established IQAC after submission of self assessment report to the NBA. Mr. K. Srinivas, Associate Professor of Mechanical department was appointed as Head, IQAC on 15.06.2016. The main purpose of the cell establishment is to do audits for quality improvement in all areas of institution. The IQAC cell conducted academic audits regularly for effective teaching learning process. It is mainly focusing in the following areas.

- To equip the students of the college with the knowledge in the latest trends in their respective fields and to prepare them to meet the requirements of the job market.
- To focus on augmenting the placement of the final year students in reputed companies through effective campus placement drives.
- To organize more number of guest lectures by eminent resource persons/subject experts in all the departments to enhance the academic input.
- To continue the schemes of Remedial Coaching classes for the slow learners and Bridge courses for students from other school backgrounds.
- To conduct Faculty Development Programmes (FDP's) periodically to update their knowledge.
- To record all the major and minor achievements of all the Departments and publish them in newsletters and magazines.
- To continue the activities of the R&D cell and to document all research related proceedings of the faculty through effective centralized recording system.
- To improve the communicative skills & to make them to ready for industry needs by designing course like Finishing school program.
- To upgrade the industry-institution relationship by developing linkages with professional/research bodies

- To inculcate the spirit of service mentality among student volunteers through NSS activities
- To give adequate counseling and guidance to students in their personal/ academic/professional fronts through the Counseling.
- To encourage more number of students to participate in sports by providing them with required training, coaching and guidance.

**b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?**

College management strongly believes in quality education as mentioned in the mission and vision statements and thus approves and supports the activities of IQAC and approved the decisions taken by the body as mentioned in the Academic Calendar.

**c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

At present there are no external members in IQAC.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

Suggestions from the students through class committee meetings and their views and opinions are discussed in the IQAC for necessary action. Alumni from India and abroad give information on the needs of the industries, skills required, vacancy positions etc., and share their experiences. This is brought to the notice of IQAC and Training and Placement Cell for suitable action.

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

The management constituted different 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.**

All the Academic bodies and administrative sections of the institution interact with IQAC and scrupulously follow its guidelines in maintaining quality standards. The committee for Academic and Administrative Audit (ISO Audit committee) of the institution was also constituted to audit the activities of different departments.



**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; external academic audit is being carried out by the ISO system auditors at both internal and external levels. External review by ISO and the suggestions given by them are taken into account and the noncompliance report is rectified. The audit gives the feedback about the areas where there is scope for improvement. Accordingly Institute plans and implements the processes. Academic audit is a regular feature in continuous monitoring of the students. Academic performance of the college is monitored by the affiliating university regularly, though, (i) Students attendance, (ii) Internal Exam Marks, (iii) Semester Exam Marks and (iv) Semester wise performance and comparison with other University affiliated colleges.

The following documents will be checked in the college academic audit.

- Time tables
- Lesson plans
- Course files
- Staff dairy
- Handouts
- Lab manuals
- Attendance
- Student performance record
- Counseling sheets
- Lab maintenance registers
- Internal Marks Reports
- Reports to parents
- Rolls list
- Internal question papers
- Answer scripts
- Feedbacks

- Remedial classes
- Result analysis

#### 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.

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching learning process. Teaching Quality is monitored by the HoD\_s concerned. Based on above the corrective and preventive actions are implemented. ISO audit is conducted at every year to monitor academic and administrative performance. Feedback from the stakeholders is collected and on that basis the Institution ensures effective quality assurance.

#### 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?

##### **Structure of Teaching- learning process.**

- Syllabus Analysis
- List of Subjects
- Subject Option form & Allotment
- Requisition for inter department Subjects & Confirmation
- Subject Allocation, Other Responsibilities
- Handouts, lab manuals
- Lesson Plan
- Class Delivery-Review
- Students Feedback on Faculties
- Students Feedback Analysis, Actions
- Internal tests , Assignments
- Evaluation
- Student counseling
- Result analysis
- Course end survey
- Graduate exit survey

HOD and senior members of the department review the syllabus and course structure of the syllabus at the beginning of the semester.HOD allots the subjects to the

faculty as per their specialization by taking subject option forms from the faculty. Inter departmental requisition form is sent to other departments for service subjects faculty allocation. HOD and other senior members of the Department prepares the Handouts comprises of academic calendar, class timetable, Evaluation pattern, syllabus, subject wise assignments and information about that subject materials (E-learning resources, NPTEL course details etc.) and GATE and IES syllabus of that particular subject etc. Respective Lab in-charges prepare Lab manuals with taking suggestions from the lab faculty. Handouts and lab manuals are distributed to the students in the beginning of semester. The faculty is requested to submit the Lesson Plan before the commencement of the semester and this will be verified by course coordinator and module coordinator.

Syllabus coverage review will be taken in regular intervals in the semester to monitor the content delivery. Principal/HOD/Module coordinators verify the faculty course files and lecture notes and attendance registers fortnightly. The 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 faculty member is provided with a copy of feedback for making necessary improvement. Further, faculty members are counseled by the head of the department, Principal if required. Internal Assessment Tests (subjective and online), Assignments are a part of the academic schedule, student counseling and department meetings are the measures to review the teaching learning process.

Result analysis is done for the subjects for further improvement of teaching learning process.

At the end of each semester course end survey and further at the end of graduation graduate exit survey will be collected from the students. These surveys are analyzed thoroughly by the program assessment committee for effective implementation of the teaching learning process.

#### **6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

Institution communicates its quality assurance policies, mechanisms and outcomes to internal stakeholders (Students, Staff) through meetings, handouts, lab manuals, circulars and notice boards and to external stakeholders (Parents, Alumni, Industries) through mail, college websites, brochures, newsletters, magazines etc., and also by means of conducting meetings with parents, alumni and industries.

# **CRITERION-VII**

## CRITERIA VII: INNOVATIONS AND BEST PRACTICES

Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology is located on NH-65 in a 30-acre campus with sylvan surroundings at Kanchikacherla, APCRDA in Krishna District, about 35 km from Vijayawada, Andhra Pradesh. The very glance at the campus is self-explanatory that everything has a place in it and everything is in its place. Being located in midst of the lush green fields with well-maintained garden, capacious playground and a state-of-art ambience speaks about the visionary and commitment the institution has towards the environment concerned with quality through innovation.

### 7.1 Environment Consciousness

An Eco friendly approach embedded in the value system has been the priority of the Institution since its inception. *The Truly Healthy environment is not merely safe but stimulating...and we believe and propagate that there is everything in the environment itself. Hence we strive to maintain Green, hygienic and congenial environment.*

#### 7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes! It has been made mandatory in the college campus to support and initiate Eco-friendly activities involving the students and make them aware of the importance on GREEN AUDIT. It is further felt that various programs planned under GREEN AUDIT will certainly be helpful in making the students as good citizens. These programs are aimed to eliminate wastage and reduce associated costs and thus increase the quality of outcome. GREEN AUDIT policy further helps to lay foundation for the sustainable development of the organization. Therefore, it is felt that such sustainable development of the organization in turn depends on effective formulation of GREEN AUDIT policy, its implementation and its evaluation and control.

#### 7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

##### Energy conservation.

- Switching off all the electrical utilities wherever they are not required.
- Usage of energy saving appliances.
- Replacement of fluorescent and incandescent lamps with LED Lamps.
- Replacement of CRT Monitors with LCD Monitors.
- Usage of Power factor improvement devices (Capacitor Banks).
- 600W SMPS replaced with low power 350W SMPS

**Use of renewable energy**

- The college has already taken up the solar street lighting on its campus. Further plan is in process to extend the use of Solar Energy for the total college campus so as to reduce the conventional energy gradually. Quotations from agencies already called for installing 100 KWP solar plant on the roof top of the college building.

**Water harvesting**

- The rain water is collected through drains and pipes and drained to the pond which interchangeably known as “Percolation Pit”. This measure helps a lot in maintaining the water table intact in and around the campus.
- It is proposed to install a waste water purification plant to treat the used water in the college, canteen and hostel in order to use for gardening purpose

**Check dam construction**

- At present there is no check dam in the college premises.

**Efforts for Carbon neutrality**

- Specific vehicle parking area is allotted for faculty and students.
- The entire (45 plus) college buses are well conditioned and well-maintained to check pollution.
- Trees have been planted

**Plantation**

- Plantation program has been taken up by the NSS unit for increasing the Green Cover in the village.
- The NSS unit regularly conducts awareness programs on plastic free environment in and around the village.

**Hazardous waste management and e-waste management**

In general the components of defective Computers, Printers and Xerox Machines etc., are being used for replacement in the existing machines as per the need. However the obsolete parts are shifted to the point of an authorized e-wastage dealer for disposal.

**7.2 Innovations**

The Institute adopts an innovative approach for ensuring the quality in its operations through systematic procedures.

**Academic system**

- Orientation classes are being conducted for the first year students to make them familiar with the curriculum as well as the college discipline.

- Hand-outs with lecture plan, assignment questions, are distributed to the students in the beginning of the semester.
- Close monitoring of course coverage through frequent meetings of HODs with faculty members.
- Regular monitoring of academic activities through Academic Committee.
- Periodic collection of student feedback on individual subject teachers.
- Teacher's performance is reviewed based on feedback and pass percentage of students at university examinations.
- For every 20 students a Faculty counselor is appointed to monitor their attendance and academic performance.
- Remedial classes, bridge courses to make up for weak and slow learners.
- Inviting experienced academicians from reputed institutions and industry experts for delivering guest lectures.
- Incentives for those carrying out research and publishing papers/participating in Seminars/Conferences.
- The attendance of students is closely monitored and absenteeism is informed to parents through an unique SMS system on daily basis. Also the performance of the students in the internal examination along with their overall attendance report is communicated to parents through letters / SMS. The students are counseled in this regard.

#### **Administrative system:**

- A separate Examination cell is constituted to look after the smooth conduction of examinations.
- Training and Placement Cell takes care of all the aspects related to training and placements.
- Grievance redressal cell is constituted to attend the problems of students.
- College administration is run through Management, Principal, Deans, HODs and Professors. All decisions are implemented after a consensus is arrived at.
- There is a centralized research committee with Principal and Dean R & D to overview all R & D related activities at departmental and institutional level.
- Maintenance of all buildings and other infrastructure is carried out by the maintenance department.
- Physical director and Assistant Physical directors look after all sports activities of boys and girls besides ensuring the discipline of the campus.

- 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.

### **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 and guide the students accordingly.
  - 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 to take up measures for improvement.
  - 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.

### **Student evaluation**

At college level two descriptive tests in a semester are conducted for internal evaluation. The university conducts the two online tests and an 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**

An automated information sharing mechanism implemented by the institution enable close monitoring of student performance as well as attendance and helps the Parents well informed.

### **Events**

Several state level & National level events like seminars, workshops are conducted for students and faculty in order to update their knowledge.



**Aagama**

**Aagama** is a National Level technical platform to guide, inspire, motivate and unearth the technical skills of engineering students. Aagama has technical paper, poster & technical quiz contests.

Technical Paper contest unearths the talents skills in students to present their ideas to a wider section of professionals. This will help them to receive a proper encouragement in the form of suggestions & appreciation to proceed further in their selected field.

Aagama is an annual event and consecutively being organized at our Institute. A wide spectrum of students from all over India take part in this Mega Event that covers the Engineering areas of CSE, ECE, EEE, Civil, Mechanical & MBA. Highly competent experts judge the papers & guide the students in their chosen field. Attractive prizes for winners and TA for participants coming from outside A.P will be provided.

**Working models exhibition:**

This is an Annual event conducted at our Institute. The working models prepared by students are exhibited on this day.

**Student Chapters**

MIC ideally involves students and faculty members from different departments to generate interest in their respective fields by providing opportunities to:

- Share ideas and enthusiasm with fellow students and faculty from any relevant department on campus
- Explore career opportunities
- Make contacts that will last a lifetime
- Develop leadership skills

MIC encourages interdisciplinary participation by students from many departments on campus. Chapters include students from departments of Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. The activities of student chapters include about career opportunities in applied mathematics and computational sciences, lectures given by guest speakers, team projects such as undergraduate competitions, social functions, and field trips to industrial laboratories.

**MIC is associated with the following Student Chapters.**



**Table: No of Students enrolled to each of the Chapter:**

| <b>Name of the Professional Body</b> | <b>No. of Students Registered</b> |
|--------------------------------------|-----------------------------------|
| <b>ISTE</b>                          | <b>271</b>                        |
| <b>IE</b>                            | <b>260</b>                        |
| <b>IEEE</b>                          | <b>63</b>                         |
| <b>IETE</b>                          | <b>57</b>                         |
| <b>CSI</b>                           | <b>75</b>                         |
| <b>ASME</b>                          | <b>17</b>                         |

### **Modern ICT Tools**

For effective teaching-learning process, e - content, modern ICT tools such as LCD projector, etc. are made use of.

### **Installation of latest configuration computers**

The systems with old configuration were replaced by the systems with latest configuration.

### **Engineers' day celebrations**

The institute conducts Engineers' Day Celebrations every year.

### **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.

***Industry Institute Interaction***

The following points are considered for formulating the policies on Industry-Institute Interaction

***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.

***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 arranged for III year students during summer.

***Project Work***

Students are encouraged to take up Industry related projects. The college has entered into MOUs with various industries in this regard.

***Placement***

A training and placement cell is established with necessary infrastructural facilities for providing training and placement assistance to students.

***Teaching - learning process***

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.

### **Innovative Faculty Development Initiatives**

#### **Transparency & Procedure**

The Principal / HOD will discuss the results of the appraisal with every employee. Continuous and sustained performance will be a necessary requirement for internal promotions, for selection as HOD's or Sectional Chairman of various committees, selection for incentives, deputation, eligibility for study leave and other financial benefits, awards, etc.

### **CAREER ADVANCEMENT / PROMOTION RULES**

- Minimum length of service for an Assistant Professor to move into the grade of Assistant Professor (Senior Scale) would be 4 years for those possessing a Ph.D degree, 6 years for those with M. Phil / M.E. / M.Tech degree and 7 years for those with M.A / M.Sc / M.B.A degrees.
- For movement into grades of Associate Professor and above the minimum eligibility criteria is a Ph.D. Teachers without Ph.D. can go up to the level of Sr. Assistant Professor only. For every upward progression of faculty a selection process as per the norms / rules and regulations laid down by the AICTE / JNT University Kakinada to which the college is affiliated, is followed.
- Every faculty acquiring an additional higher relevant degree while in service, (through examinations and course work) is entitled to one advance increment on producing the provisional degree certificate, pertaining to the higher qualification.
- Sponsorship for higher studies is based on seniority, preference being given to doctoral programmes, and secondly to Master's degree programmes, on executing a bond as desired by the Management. The said facility is limited to one faculty member per year from one department, without affecting the course work / projects of students.
- Any faculty seriously interested in promoting or advancing the cause of research and who exhibits interest will be suitably encouraged by the Institute and shall receive special commendations.

### **STAFF DEVELOPMENT AND TRAINING**

#### **Supporting Staff (Administration and Technical)**

- Arranging in-house training programmes, with the help of resource person from the English and Management departments (with inputs of English grammar basics).

- Arranging professionals from the industry and Government to deliver training programmes in Administration and Accounts ( for all those in administration and accounts) on all aspects of management and technical skills needed for running an office in a self-financing educational Institution.
- To impart computer knowledge and English communication to all ministerial and subordinate staff with the help of faculty from the Computer Science and Engineering Department and English Department. Laboratory technicians are likewise given special exposure to newer equipment and processes by Heads of Departments.

### **AWARDS**

- “Excellence in Teaching” awards and the “Best Supporting Staff” awards have been instituted by the Management to recognize deserving staff and the awards are presented every year on Annual Day.
- Faculty who show and exhibit dedication and commitment are also recognized by deputing them for special conference and seminars and are also issued commendation letters.
- Letters of Appreciation are awarded to teaching staff for their academic excellence in terms of the results in subject they handled.

### **Women Empowerment & Grievances Cell**

The College has established a Women Empowerment & Grievances Cell in the college campus and cell is active since 2014 to empower girl students, to enhance understanding of issues related to women and to make the college campus a safe place for girl students. With a view to taking up women’s issues and problems, the cell aims at creating awareness of their rights and responsibilities. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves.

Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women empowerment through guest lectures, seminars, awareness programmes and other welfare activities.

Women achievers from various fields are invited to share their experiences with students interact with them, give valuable tips which might motivate them, make them dream big and work towards realizing their dreams and to provide a safe environment for girl students and women employees.

The responsibilities of the Women Empowerment & Grievances Cell are to follow the Mandatory guide lines and directions of the JNTU KAKINADA regarding the security arrangements for Girl Students and Women staff of our Institution.

**OBJECTIVES:**

- To promote a culture of respect and equality for female gender
- To conduct seminars, workshops to make them aware of opportunities and tools available and train the women
- To create a conducive counseling environment for female gender to share their problems
- To motivate and inspire girl students in their pursuit for excellence
- To educate girl students on women specific health issues and measures to be taken.
- To make girl students realize their strengths and be empowered.

**VISION:**

Evolve all possible strategies for empowering women in technological and socio cultural aspects in a holistic way towards the betterment of the society.

**MISSION:**

The Women Empowerment & Grievances Cell shall strive to organise guest lectures, seminars, awareness programmes and other welfare activities to empower women.

***Roles and responsibilities of WEGC faculty Coordinators:***

- To periodically organize guest lectures in different areas such as health, legal, career and social aspects.
- To monitor and counsel girl students of their department, in the case of requirement.
- To advise and support any girl student, if faced by any gender specific problem.
- To conduct competitions such as presentations, elocution, essay writing and painting to encourage girl students to express their ideas.
- Above all, to ensure a secure and progressive learning environment for the girl students.
- Roles and responsibilities of Student Representatives:
- They should be willing:
- To spread the objectives of WEGC among the girl students.
- To participate actively in the events and competitions organized by the cell and encourage other girl students to participate.
- To organize enthusiastically the events of WEGC under the guidance of the cell.
- To interact regularly with the girl students of the class.

- To bring to the notice of the faculty coordinators of their respective department, if any specific issue arises among the girl students.

### Innovative to be socially responsible

Man is a Social animal. Every man has a responsibility towards the society in which he is living. Like others, students also have their duties towards the society. Students are the future citizens of the country and have different roles to play. Students should cultivate the spirit of service from the very formative stage. Social service develops the spirit of brotherhood between people.

The home and the educational institution of a student are the places where he / she imbibe the spirit of social-service. Now, social service is considered an important part of the school / college activities. Our Institution is committed and encourages student activities on this front through NSS activities.



### NSS at MIC

#### ***NSS MOTTO – “NOT ME BUT YOU”***

The values that are social and moral keep a man or a nation in the forefront of development. To inculcate the moral and social values among students, MIC has a committed team of NSS volunteers. MIC NSS is headed by Mr. G. Rajesh, Associate Professor from the department of Mechanical Engineering who received university level “Best NSS Programme Officer” award in 2012 on the occasion of 4th university formation day.



MIC NSS activities include yearly regular activities such as “Blood Donation, Distribution of Notebooks to poor children, extending a helping hand to old people and orphan children”, and special events like “Joy of Giving Week, Concert for a Cause, and Youth Festival”. MIC NSS unit also adopted a village, Perakalapadu and working towards its development through several special medical camps, reconstruction of roads, drainages and awareness programmes to villagers and developing MPUP School in the village, besides offering succour to the needy during natural and man-made calamities.

### **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.**

#### **Entrepreneur Development Cell (EDC)**

The establishment of Entrepreneur Development Cell (EDC) created a considerable positive impact on the functioning of the college which aimed at inculcating and nurturing entrepreneurial skills among students. The objectives of EDC are as follows:

- To foster innovation and create an entrepreneurial culture in the institution
- To conduct Entrepreneurship Awareness camps (EAC), Entrepreneurship Development program (EDP), Skill Development Program (SDP).
- To promote linkages with Govt. institutions, industries & other organizations that are engaged in promoting small & medium enterprises.
- To provide services including information & guidance to budding entrepreneurs.
- To develop incubation center and facilitate the interested entrepreneurs to test and simulate the ideas.

#### **Initiative for Co-Curricular & Extra Curricular Activities (ICE):**

- To conduct cultural activities in the campus spanned throughout the year.
- To prepare the students for participating in extra-curricular activities off the campus.
- To organize cultural meets in the campus.
- To organize fresher's day, farewells and annual day etc.
- To promote General Hobby clubs (such as music, painting, photography etc) in the campus.



### Dr. Kalam - Aim & Achieve - 15.10.2015



## 7.3 Best Practices

**7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.**

### Best Practice - I

#### 1. Title of the Practice:

**Finishing School Programme - a campus to corporate programme**

#### 2. Goal:

To enhance employability amongst the engineering graduates by imparting required skills for sustained performance and success in career and make them industry ready.

To bridge the industry-academia gap by enhancing the competency of the engineering graduates through necessary training in Soft Skills like interpersonal & intrapersonal skills that include communication skills, attitude, behaviour, etiquette, time management, goal setting, team work, leadership skills, career planning and ethics in addition to the technical skills that they acquire through curriculum based education to facilitate their employability.

#### 3. The Context

It is a well-known fact that quality manpower feeds and nourishes industries and augments the growth of our economic future. The proportion of Quality manpower in relation to the Quantity is diminishing in all streams of education and Engineering in

particular. Entering into a good job or higher education is not sufficient but sustaining it for a long term is the need of the hour.

#### 4. The Practice

Finishing School Programme or FSP started in early 2011-12 exclusively focuses all its energy on training students and making them ready as they go out into the world seeking employment.

For them to be employable, the faculty within FSP rigorously hone the students to sharpen their people skills. We at FSP try to equip the students with confidence, instil ethical values, teach them reasoning ability along with focus on analytical ability and help them in building their personality. Over the years, we train students to look for what is best in them.

While the core makes them aware of hard skills to function and learn the ways of the machine, to avoid sounding like a soft-skill intro, subtly and precisely put, we prepare them for life.

##### ***Concept & Basis:***

To facilitate continuous learning and development of the students from the beginning till the end of the engineering course to Provide exposure and environment to have hands on experience. Continuous motivation and inspiration to instil confidence and enthusiasm form the basis of this concept.

At present we offer these classes on a weekly basis right from first year to final year in every semester to have a continuous training for the placements covering different modules.

|                        |  |
|------------------------|--|
| <b>I YEAR – I Sem</b>  | <b>Behavior &amp; Attitude</b> <ul style="list-style-type: none"> <li>•Class Room Etiquette</li> <li>•Dress Code</li> <li>•Regularity</li> <li>•Punctuality</li> <li>•Interpersonal Skills</li> <li>•Building up of Self Image</li> <li>•Self Confidence and Motivation</li> <li>•Assertiveness</li> <li>•Positive Thinking &amp; Attitude to Succeed.</li> <li>•Preparation methods for exams.</li> <li>•Importance of English in Communication</li> <li>•Choosing the right one.</li> <li>•Influence of Peer group &amp; Environmental effect</li> <li>•Counseling effect</li> </ul> |
| <b>I Year – II Sem</b> | <ul style="list-style-type: none"> <li>•Goal Setting</li> <li>•Time Management</li> <li>•Social Responsibilities.</li> </ul>   |

|   |   |
|---|---|
| <b>II YEAR</b><br><b>III YEAR</b><br><b>IV YEAR –</b><br><b>I Sem</b> | <b>Language &amp; Communication Skills</b> <ul style="list-style-type: none"> <li>•Listening Skills.</li> <li>•Speaking Skills: Self introduction, Jam, Debate, Presentation Skills.</li> <li>•Reading Skills: Comprehension, Vocabulary enrichment: Homophones, Adjectives, Synonyms, Antonyms, One-word substitutes, Idioms/Phrases, Commonly miss-spelt words, Analogies.</li> <li>•Writing Skills: Letter writing, Email writing, Report writing</li> </ul>   |
| <b>II YEAR</b><br><b>III YEAR</b><br><b>IV YEAR –</b><br><b>I Sem</b> | <b>Quantitative Aptitude</b> <ul style="list-style-type: none"> <li>•Numbers</li> <li>•Ratio and Proportion</li> <li>•Percentages</li> <li>•Averages</li> <li>•Time and Distances</li> <li>•Calendars</li> <li>•Ages</li> <li>•Allegations and Mixtures</li> <li>•Clocks</li> <li>•Permutations &amp; Combinations</li> <li>•Sets &amp; Relations</li> <li>•Functions</li> <li>•Data Interpretation: Tables, Graphs, Pie-charts</li> </ul> <b>Logical Reasoning Ability</b> <ul style="list-style-type: none"> <li>•Logical Problems</li> <li>•Statement and Assumptions</li> <li>•Logical Deduction (Syllogism)</li> <li>•Course of Action</li> <li>•Cause and Effect</li> <li>•Analyzing Arguments</li> <li>•Statements and Conclusions</li> <li>•Statements and Arguments</li> <li>•Directions</li> <li>•Blood relations</li> <li>•Coding and decoding</li> <li>•Series</li> <li>•Odd man out</li> </ul> |
| <b>III YEAR</b><br><b>IV YEAR – I</b><br><b>Sem</b>                   | <b>Soft Skills</b> <ul style="list-style-type: none"> <li>•Attitudes</li> <li>•Self Esteem</li> <li>•Johari Window</li> <li>•SWOC Analysis</li> <li>•Self-Talk</li> <li>•Goal setting</li> <li>•Time Management</li> <li>•Change Management</li> <li>•Learning Style</li> <li>•Decision Making Skills</li> <li>•Telephone etiquette</li> <li>•Netiquette</li> <li>•Interpersonal skills</li> <li>•Intrapersonal skills</li> <li>•Negotiation skills</li> </ul>  |

|                              |  |
|------------------------------|--|
|                              | <ul style="list-style-type: none"> <li>•Networking skills</li> <li>•Leadership skills</li> <li>•Team work</li> </ul>   |
| <b>IV YEAR - I Sem</b>       | <b>Practical sessions on Interactive Skills</b> <ul style="list-style-type: none"> <li>•Group Discussions</li> <li>•Resume preparation</li> <li>•Mock Interviews</li> <li>•Team Work and Leadership skills</li> <li>•Just A Minute (JAM)</li> </ul>  |
| <b>IV YEAR – I Sem</b>       | <b>Career Guidance and Planning (CGP)</b><br>To Create Awareness about various opportunities for higher studies and different avenues for placement.   |
| <b>MBA III Sem/MCA V Sem</b> | <b>Communication Skills</b> <ol style="list-style-type: none"> <li>1. Listening Skills</li> <li>2. Speaking Skills: Self introduction, Jam, Debate, Presentation Skills.</li> <li>3. Reading Skills: Comprehension, Vocabulary enrichment: Homophones, Adjectives, Synonyms, Antonyms, One-word substitutes, Idioms/Phrases, Commonly miss-spelt words, Analogies.</li> <li>4. Writing Skills: Letter writing, Email writing, Report writing.</li> </ol> |

## 5. Evidence of Success

The FSP Programme benefited students in boosting their confidence levels and it is evident through:

- Increased placements consistently year by year
- Increased participation of students in various intra-college and inter-college competitions.
- Improved communication skills.
- Enhanced behavioral aspects.

## 6. Problems Encountered and Resources Required

The very implementation of FSP programme is not an exception from challenges like meeting time constraints in imparting activity oriented training, maintaining the morale of the students as the programme carries no credits. The institute is able to cope up with situation with its expertise training measures.

## Best Practice – II

### 1. Title of the Practice:

**Honing leadership qualities among students through consistent and efficient mentoring of the students (learning by doing)**

## 2. Goal:

Students are the important stake holders of the Institution. By efficient mentoring of the students, the Institutional overall development can automatically be achieved. In addition to the academic activities, the Institute aims at developing and enhancing various qualities of the students through variety of events:

- To develop and enhance Technical skills
- To conduct personality development programmes
- To improve communication skills
- To encourage participation in curricular and extra-curricular activities
- To imbibe leadership skills
- To improve problem solving and Team building skills
- To inculcate entrepreneurial skills
- To provide practical exposure to the students.
- To provide a platform where they can draw ample opportunity to learn from Academic and Industry experts.

## 3. The Context:

The Institute believes that the right environment always stimulates right thinking and right learning. It always strives to provide right environment to the students and the staff by organizing various events throughout the year.

## 4. The Practice

- All the departments formed their respective student Associations / Clubs. These Associations aim to conduct the technical events on current trends in technology in order to improve technical skills of the students.
- The institute organizes a National level Technical paper presentation contest ‘ Aagama’ every year as an inter-college students interface providing a platform to share and gain knowledge.
- Working models exhibition is organized by the institute, where the models developed by the students are exhibited and encouraged by rewarding the best ones.
- The college is organizing various co-curricular and extra-curricular activities through an exclusive department ICE – Initiative for Co-Curricular & Extracurricular Activities which aims at encouraging student participation in various activities.
- An exclusive EDC - Entrepreneur Development Cell aimed at inculcating and nurturing entrepreneurial skills among students.

**5. Evidence of Success:**

- The change in the behaviour & communication of the students from first year to final year is an ample testimony for the success of the programs being organized.
- The prizes / awards won by the students in technical and other events emphasize the impact of the programs.
- The performance of the students in placements is an indication of the success of the programs being organized.

**6. Problems Encountered and Resources Required:**

- There are very few industries in the vicinity of the college and so providing student internships and live projects is a challenging task for the Institute.
- Since the college is 40 kms away from the city., students will be in the wedge of leaving the campus sooner after the class work is over. This is for this reason the library and sports utilities are left under-utilized.
- Most of the students are from rural origin and they lack in communication skills which has a toll on their confidence levels. It is quite a big challenge for the teachers to train them in basic communication skills and improve student participation in various assignments.

## Contact Details

|                         |   |   |
|-------------------------|---|---|
| Name of the Principal   | : | <b>Dr. Y Sudheer Babu</b>                                       |
| Name of the Institution | : | <b>DVR &amp; Dr. HS MIC College of Technology</b>               |
| City                    | : | <b>Kanchikacherla</b>   |
| Pin Code                | : | <b>521180</b>   |
| Accredited Status       | : | <b>NBA Accredited for 4 B.Tech Courses</b>                      |
| Work Phone              | : | <b>08678-273535</b> Fax: <b>08678-273569</b>                    |
| Website                 | : | <b><a href="http://www.mictech.ac.in">www.mictech.ac.in</a></b> |
| e-mail                  | : | <b>principal@mic.co.in</b>                                      |
| Mobile                  | : | <b>91- 9618161818</b>   |

# **Evaluative Reports**



## Evaluative Report

### Department of 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.)

**UG Program** : *B. Tech (CSE)*

**PG Program** : *M. Tech (CSE)*

4. Names of Inter disciplinary courses and the departments/units involved

| S. No | Name of the Course                           | Year/Sem | Department Involved                       |
|-------|--|----------|---|
| 1     | English                                      | I/I      | BED                                       |
| 2     | Mathematics                                  | I/I      | BED                                       |
| 3     | Engineering Chemistry                        | I/I      | BED                                       |
| 4     | Environmental Studies                        | I/I      | BED                                       |
| 5     | Engineering Mechanics                        | I/I      | Mechanical                                |
| 6     | English – II                                 | I/II     | BED                                       |
| 7     | Mathematical Methods                         | I/II     | BED                                       |
| 8     | Mathematics – III                            | I/II     | BED                                       |
| 9     | Engineering Physics                          | I/II     | BED                                       |
| 10    | Professional Ethics and Human Values         | I/II     | BED                                       |
| 11    | Engineering Drawing                          | I/II     | Mechanical                                |
| 12    | Managerial Economics and Financial Analysis  | II/I     | DMS                                       |
| 13    | Mathematical Foundation and Computer Science | II/I     | BED                                       |
| 14    | Digital Logic Design                         | II/I     | Electronics and Communication Engineering |
| 15    | Probability and Statistics                   | II/II    | BED                                       |

|    |                     |        |   |
|----|---------------------|--------|---|
| 16 | Data Communication  | III/I  | Electronics and Communication Engineering |
| 17 | IPR and Patents- I  | III/I  | DMS                                       |
| 18 | IPR and Patents- II | III/II | DMS                                       |
| 19 | Management Science  | IV/II  | DMS                                       |

5. Annual/ semester/ choice based credit system (programme wise)

a) B. Tech (**Computer Science and Engineering**): Semester based credit system – Electives in 7<sup>th</sup> and 8<sup>th</sup> semesters.

b) M. Tech - (**Computer Science and Engineering**): Semester based credit system – Electives in I & II semesters.

6. Participation of the department in the courses offered by other departments

| S. No | Name of the Course                | Year/Sem   | Departments Offered |
|-------|-----------------------------------|------------|---------------------|
| 1     | Computer Programming              | I/I - I/II | BED                 |
| 2     | IT Workshop                       | I/I - I/II | BED                 |
| 3     | Data Structures                   | II/I       | ECE                 |
| 4     | Interactive Computer Graphics     | III/I      | ME                  |
| 5     | Object Oriented Programming & O S | IV/I       | ECE                 |

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: - **NIL-**

8. Details of courses/ programmes discontinued (if any) with reasons: -**NIL-**

9. Number of teaching posts

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 05         | 03     |
| Associate Professors | 10         | 06     |
| Assistant Professors | 32         | 37     |

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     | Dr A Jayalakshmi Lakshmi | Ph. D          | Prof. & Head | CSE            | 18                         |   |
| 2     | Dr P Srinivasulu         | Ph. D          | Professor    | CSE            | 20                         | -   |
| 3     | Dr B. Janaki Ramaiah     | Ph. D          | Professor    | CSE            | 14                         |   |
| 4     | Mr. A. Rama Satish       | M. Tech (Ph.D) | Assoc. Prof. | CSE            | 15.6                       |   |
| 5     | Mr. D. Varun Prasad      | M. Tech        | Assoc. Prof. | CSE            | 14                         |   |
| 6     | Ms. G. Kalyani           | M. Tech (Ph.D) | Assoc. Prof. | CSE            | 15                         |   |
| 7     | Mr. D Prasad             | M. Tech (Ph.D) | Assoc. Prof. | CSE            | 14                         |   |
| 8     | Ms. A. Anuradha          | M. Tech (Ph.D) | Assoc. Prof. | CSE            | 16                         |   |
| 9     | Ms. L. Kanya Kumari      | M. Tech (Ph.D) | Assoc. Prof. | CSE            | 13                         |   |
| 10    | Ms. N V MahaLakshmi      | M. Tech        | Asst. Prof.  | CSE            | 8.6                        |   |
| 11    | Mr. J. Ranga Rajesh      | M. Tech        | Asst. Prof.  | CSE            | 8                          |   |
| 12    | Mr. K. Mahanthi          | M.S            | Asst. Prof.  | CSE            | 6                          |   |
| 13    | Mr. R. Venkat            | M. Tech        | Asst. Prof.  | CSE            | 5                          |   |
| 14    | Ms. M. Madhavi           | M. Tech        | Asst. Prof.  | CSE            | 8                          |   |
| 15    | Ms. J. Sowjanya          | M. Tech        | Asst. Prof.  | CSE            | 7                          |   |
| 16    | Mr. G.D.K. Kishore       | M. Tech (Ph.D) | Asst. Prof.  | CSE            | 6                          |   |
| 17    | Ms. T. Revathi           | M. Tech        | Asst. Prof.  | CSE            |                            |   |
| 18    | Mr. J. V. Srinivas       | M. Tech        | Asst. Prof.  | CSE            | 2                          |   |
| 19    | Mr. N. Srihari           | M. Tech (Ph.D) | Asst. Prof.  | CSE            | 6                          |   |

|    |                           |                |             |     |      |  |
|----|---------------------------|----------------|-------------|-----|------|--|
| 20 | Ms. T. P. Ann Thabitha    | M. Tech        | Asst. Prof. | CSE | 7    |  |
| 21 | Ms. K Anusha              | M. Tech        | Asst. Prof. | CSE |      |  |
| 22 | Ms. B. Kavya              | M. Tech        | Asst. Prof. | CSE |      |  |
| 23 | Mr. T.Krishnamachari      | M. Tech        | Asst. Prof. | CSE | 1.6  |  |
| 24 | Ms. B. V. N. Praveena     | M. Tech        | Asst. Prof. | CSE |      |  |
| 25 | Ms. G Prathyusha          | M. Tech        | Asst. Prof. | CSE | 2.5  |  |
| 26 | Ms. B LalithaRajeswari    | M. Tech        | Asst. Prof. | CSE | 3    |  |
| 27 | Ms. P.Reshma              | M. Tech        | Asst. Prof. | CSE | 1.3  |  |
| 28 | Ms. R. SriLakshmi         | M. Tech (Ph.D) | Asst. Prof. | CSE | 2    |  |
| 29 | Mr. A. Prashant           | M. Tech (Ph.D) | Asst. Prof. | CSE | 12.6 |  |
| 30 | Ms. G. Rama Devi          | M. Tech        | Asst. Prof. | CSE | 5.5  |  |
| 31 | Ms. K. VinayaSree         | M. Tech        | Asst. Prof. | CSE | 1.6  |  |
| 32 | Mr. P Srikanth            | M. Tech        | Asst. Prof. | CSE | 1.6  |  |
| 33 | Mr. B. Murali Krishna     | M. Tech        | Asst. Prof. | CSE | 1.4  |  |
| 34 | Mr. K. Kamal Rajesh       | M. Tech        | Asst. Prof. | CSE | 1    |  |
| 35 | Ms G Shakeela             | M. Tech        | Asst. Prof. | CSE | 0.6  |  |
| 36 | Mr. B. Kalyan Chakravarti | M. Tech        | Asst. Prof. | CSE | 7    |  |
| 37 | Ms. B. Usha Rani          | M. Tech        | Asst. Prof. | CSE | 0.6  |  |
| 38 | Ms. Y. Priyanka           | M. Tech        | Asst. Prof  | CSE | 1    |  |
| 39 | Ms. S Layanya             | M. Tech        | Asst. Prof  | CSE | 0.6  |  |
| 40 | Mr .Y. V. Narayana        | M. Tech        | Asst.Prof   | CSE | 0.3  |  |
| 41 | Ms. V.Bhavani             | M. Tech        | Asst.Prof   | CSE | 0.3  |  |
| 42 | Ms. B. Bhanu Alekhya      | M. Tech        | Asst.Prof   | CSE | 0.3  |  |

|    |                  |         |            |     |     |  |
|----|------------------|---------|------------|-----|-----|--|
| 43 | Mr. S. Ramesh    | M. Tech | Asst.Prof  | CSE | 0.3 |  |
| 44 | Mr. Y Pradeep    | M. Tech | Asst.Prof  | CSE | 0.3 |  |
| 45 | Mr. Ch. Suresh   | M.Tech  | Asst.Prof  | CSE | 0.6 |  |
| 46 | Ms. D. Rushalini | M.Tech  | Asst. Prof | CSE | 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 – 15:1**

**PG – 12:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| Staff                     | Sanctioned | Filled |
|---------------------------|------------|--------|
| Support Staff (Technical) | 09         | 09     |
| Administrative Staff      | 02         | 02     |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

| S.No | Qualification | No. of Faculty |
|------|---------------|----------------|
| 1    | D.Sc / D.Litt | NIL            |
| 2    | Ph.D          | 03             |
| 3    | M.Tech/MCA    | 46             |

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

| S. No | Funding Agency | Name of the Event | Duration & Dates | Grant 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 | Chapter in Books | Books Edited | Books with ISBN /ISSN numbers 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    | Dr A Jayalakshmi       | 18                  | -          | -                | -            | -  | 6              | 1.5  | -                          | 05                                     | 04                               |
| 2    | Dr P Srinivasulu       | 22                  | -          | 2                | 2            | 15   | 32             | 2  | 6                          | 09                                     | 06                               |
| 3    | Dr B. Janaki Ramaiah   | 11                  | -          | -                | 2            | 3  | 8              | 1.5  | -                          | 05                                     | 03                               |
| 4    | Mr. A. Rama Satish     | 6                   | -          | -                | 1            | 2  | -              | 1  | -                          | 3                                      | 02                               |
| 5    | Mr. D. Varun Prasad    | 4                   | -          | -                | -            | -  | -              | -  | -                          | 2                                      | 2                                |
| 6    | Ms. G. Kalyani         | 7                   | -          | -                | -            | 3  | -              | 2  | 2                          | 4                                      | 2                                |
| 7    | Mr. D Prasad           | 5                   | -          | -                | -            | 5  | -              | 1  | -                          | 3                                      | 2                                |
| 8    | Ms. A.Anuradha         | 5                   | -          | -                | -            | 2  | -              | 2  | -                          | 2                                      | 2                                |
| 9    | Ms. L.KanyaKumari      | 2                   | -          | -                | -            | 1  | -              | 1  | -                          | 1                                      | 1                                |
| 10   | Ms. N V MahaLakshmi    | 2                   | -          | -                | -            | 1  | -              | -  | -                          | -                                      | -                                |
| 11   | Mr. J. Ranga Rajesh    | 6                   | -          | -                | -            | 2  | 1              | 1  | 2                          | 2                                      | -                                |
| 12   | Mr. K. Mahanthi        | 2                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 13   | Mr. R. Venkat          | 5                   | -          | -                | -            | -  | -              | -  | -                          | 3                                      | 1                                |
| 14   | Ms. M. Madhavi         | 3                   | -          | -                | -            | -  | -              | -  | -                          | 1                                      | 1                                |
| 15   | Mr. G.D.K. Kishore     | 1                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 16   | Ms. T. Revathi         | 2                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 17   | Mr. J. V. Srinivas     | 1                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 18   | Mr. N. Srihari         | 12                  | -          | -                | -            | 7  | 2              | 2  | 2                          | 5                                      | 1                                |
| 19   | Ms. T. P. Ann Thabitha | 2                   | -          | -                | -            | 1  | -              | -  | -                          | 1                                      | 1                                |
| 20   | Ms. K Anusha           | 1                   |            |                  |              |  |                |  |                            |  |                                  |
| 21   | Ms. B. Kavya           | 1                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 22   | Mr. T.Krishnamachari   | 1                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 23   | Ms. B. V. N. Praveena  | 1                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 24   | Ms. G Prathyusha       | 3                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |
| 25   | Ms. B LalithaRajeswari | 2                   | -          | -                | -            | -  | -              | -  | -                          | -                                      | -                                |

|    |                       |   |   |   |   |   |   |      |   |   |   |
|----|-----------------------|---|---|---|---|---|---|------|---|---|---|
| 26 | Ms. P.Reshma          | 2 | - | - | - | - | - | -    | - | - | - |
| 27 | Ms. R. SriLakshmi     | 1 | - | - | - | - | - | -    | - | - | - |
| 28 | Mr. A. Prashant       | 2 | - | - | - | 1 | - | 3.08 | 1 | 2 | 1 |
| 39 | Ms. G. Rama Devi      | 3 | - | - | - | - | - | -    | - | - | - |
| 30 | Ms. K. VinayaSree     | 2 | - | - | - | - | - | -    | - | - | - |
| 31 | Mr. P Srikanth        |   | - | - | - | - | - | -    | - | - | - |
| 32 | Mr. B. Murali Krishna | 1 | - | - | - | - | - | -    | - | - | - |
| 33 | Mr. K. Kamal Rajesh   | 2 | - | - | - | - | - | -    | - | - | - |
| 34 | Ms G Shakeela         | 1 | - | - | - | - | - | -    | - | - | - |
| 35 | Ms. B. Usha Rani      | 2 | - | - | - | - | - | -    | - | - | - |
| 36 | Ms. Y. Priyanka       | 1 | - | - | - | - | - | -    | - | - | - |
| 37 | Ms. S Layanya         | 1 | - | - | - | - | - | -    | - | - | - |
| 38 | Mr .Y. V. Narayana    | 2 | - | - | - | - | - | -    | - | - | - |
| 39 | Ms. V.Bhavani         | 1 | - | - | - | - | - | -    | - | - | - |
| 40 | Ms. B.Bhanu Alekhya   | 1 | - | - | - | - | - | -    | - | - | - |
| 41 | Mr. S Ramesh          | 1 | - | - | - | - | - | -    | - | - | - |
| 42 | Mr. Y Pradeep         | 1 | - | - | - | - | - | -    | - | - | - |
| 43 | Mr. Ch. Suresh        | 1 | - | - | - | - | - | -    | - | - | - |
| 44 | Ms. D. Rushalini      | 1 |   |   |   |   |   |      |   |   |   |

## 20. Areas of consultancy and income generated

| S. No | Project  |
|-------|--|
| 1     | ORGANIZATION WEBSITE (2012-13)                 |
| 2     | EXAMINATION CELL AUTOMATION SYSTEM ( 2013-14)  |
| 3     | STUDENT PERFORMANCE ANALYSIS SYSTEM ( 2013-14) |
| 4     | MIC FEE PAYMENT PORTAL (2015-16)               |
| 5     | FEE AUTOMATION SYSTEM 2016-17)                 |

## 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

| Name of faculty     | Name of the International Committee/Board  |
|---------------------|--|
| Dr A Jayalakshmi    | Technical Chair- IC3T-16   |
| Dr P Srinivasulu    | Technical Chair- IC3T-16   |
| Dr B Janaki Ramaiah | Organizing Chair & Editorial Board Member- IC3T-16                                       |
| Mr A Rama Satish    | Organizing Committee Member IC3T -2016   |
| Mr D Varun Prasad   | Organizing Committee Member IC3T -2016   |
| Mr D Prasad         | Organizing Committee Member IC3T -2016   |
| Mr G Kalyani        | Organizing Committee Member IC3T -2016   |
| Mr N Sri Hari       | Member of International Academy for Science & Technology Education and Research (IASTER) |
| Mr N Sri Hari       | IJCST – International Journal of Computer Science Trends and Technology                  |
| Mr N Sri Hari       | Reviewer of IJIRT  |

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental /Programme: 88%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in  
 Research Laboratories /Industry/ other agencies: 12% in South Central Railway (SCR)  
 Vijayawada.

## 23. Awards/ Recognitions received by faculty and students



| LIST OF GOLD MEDAL WINNERS |            |                     |               |
|----------------------------|------------|---------------------|---------------|
| S.NO.                      | REGD NO    | NAME OF THE STUDENT | ACADEMIC YEAR |
| 1                          | 11H71A05A3 | P Sravya Priyanka   | 2015-2016     |
| 2                          | 10H71A0575 | K GnanaSree         | 2014-2015     |
| 3                          | 09H71A05A5 | A Vasundhara Devi   | 2013-2014     |
| 4                          | 08H71A0567 | Atluri Alekhya      | 2012-2013     |

### Winners in National Technical Events

| S.No | Academic Year | Name(s) of the student(s) | Event participated         | Prize           |
|------|---------------|---------------------------|----------------------------|-----------------|
| 1    | 2015-16       | V.Neethu Priya            | Paper Presentation, LBRCE  | 2 <sup>nd</sup> |
| 2    |               | V.Neethu Priya            | Debate, MIC                | 1 <sup>st</sup> |
| 3    |               | Ambica A                  | Our Robot your Game, VRSEC | 2 <sup>nd</sup> |
| 4    |               | Manasa K                  | Our Robot your Game, VRSEC | 2 <sup>nd</sup> |
| 5    |               | A Pratyusha               | Our Robot your Game, VRSEC | 2 <sup>nd</sup> |
| 6    |               | M.Dhana Sri               | Group Discussion, MIC      | 2 <sup>nd</sup> |
| 7    |               | P Ganesh                  | Sudoku, MIC                | 2 <sup>nd</sup> |
| 8    |               | Ch Geethika Eswari        | Debate, MIC                | 1 <sup>st</sup> |
| 9    |               | Ch Geethika Eswari        | Group discussion, MIC      | 2 <sup>nd</sup> |
| 10   |               | V.Neethu Priya            | Debate, MIC                | 1 <sup>st</sup> |
| 11   |               | M Nikhila Desai           | Sell it, MIC               | 2 <sup>nd</sup> |
| 12   |               | M Nikhila Desai           | Mock Press, MIC            | 2 <sup>nd</sup> |
| 13   |               | J.Bhuvaneswari            | Working Model, MIC         | 2 <sup>nd</sup> |
| 14   |               | G.Divya Priya             | Working Model, MIC         | 2 <sup>nd</sup> |
| 15   |               | Y.Harika                  | Working Model, MIC         | 2 <sup>nd</sup> |
| 16   |               | V Tanuja                  | Working Model, MIC         | 2 <sup>nd</sup> |
| 17   | 2015-16       | L.Zeenath Khatoon         | Working Model, MIC         | 2 <sup>nd</sup> |

|    |                |                       |                                     |                 |
|----|----------------|-----------------------|-------------------------------------|-----------------|
| 18 |                | R.Anusha              | Working Model, MIC                  | 1 <sup>st</sup> |
| 19 |                | P Nikhil Sai Singh    | Working Model, MIC                  | 1 <sup>st</sup> |
| 20 |                | D.Niveditha           | Working Model, MIC                  | 1 <sup>st</sup> |
| 21 |                | B.Pranitha Sai        | Working Model, MIC                  | 1 <sup>st</sup> |
| 22 |                | K Sai Santhosh        | Working Model, MIC                  | 1 <sup>st</sup> |
| 23 |                | P Veena               | Paper Presentation, MIC             | 2 <sup>nd</sup> |
| 24 | <b>2014-15</b> | V Vanaja              | Paper Presentation, LBRCE           | 2 <sup>nd</sup> |
| 25 |                | P Sri Mounika         | Paper Presentation, LBRCE           | 2 <sup>nd</sup> |
| 26 |                | K V S Abhishek        | Medha-Quiz, LBRCE                   | 2 <sup>nd</sup> |
| 27 |                | CH S Sankari          | Medha- Quiz, LBRCE                  | 2 <sup>nd</sup> |
| 28 |                | K V Gayathri          | Programming Skills, MIC             | 1 <sup>st</sup> |
| 29 |                | K.Mounika             | Analysis of Argument, MIC           | 1 <sup>st</sup> |
| 30 |                | M.Nikhila Desai       | Sell out, MIC                       | 2 <sup>nd</sup> |
| 31 |                | T.B.Sai Mounika       | Puzzles, MIC                        | 1 <sup>st</sup> |
| 32 |                | Ch Geswari            | Debate, MIC                         | 1 <sup>st</sup> |
| 33 |                | Ch G Eswari           | Sudoku, MIC                         | 2 <sup>nd</sup> |
| 34 |                | D.Mounika             | Program Quest, KLU                  | 2 <sup>nd</sup> |
| 35 |                | M R K Harsha          | Best Innovative Idea, DIET          | 2 <sup>nd</sup> |
| 36 | <b>2013-14</b> | V.Chakradhar          | Paper Presentation, VRSEC           | 2 <sup>nd</sup> |
| 37 |                | D.V.S.K. Deekshithulu | Techincal (Programming Skills), MIC | 1 <sup>st</sup> |
| 38 |                | P.SriMounika          | Techincal (Programming Skills), MIC | 2 <sup>nd</sup> |
| 39 |                | R.Kumari              | Paper Presentation, MIC             | 2 <sup>nd</sup> |
| 40 |                | Sk.Khatija            | Paper Presentation, MIC             | 2 <sup>nd</sup> |
| 41 |                | K Bhargavi            | Collage, MIC                        | 2 <sup>nd</sup> |
| 42 | <b>2012-13</b> | B.Amarnadh            | Roleplay, MIC                       | 2 <sup>nd</sup> |
| 43 |                | V Ashok Babu          | Roleplay, MIC                       | 2 <sup>nd</sup> |

|    |         |                 |                                  |                 |
|----|---------|-----------------|----------------------------------|-----------------|
| 44 | 2012-13 | D.Krishna Mohan | Roleplay, MIC                    | 2 <sup>nd</sup> |
| 45 |         | Md Mastan Vali  | RolePlay, MIC                    | 2 <sup>nd</sup> |
| 46 |         | P.SriMounika    | Essay Competition, MIC           | 2 <sup>nd</sup> |
| 47 |         | B.Amarnadh      | Technical Quiz, MIC              | 1 <sup>st</sup> |
| 48 |         | D.Krishna Mohan | Technical (c-way surfers), VRSEC | 1 <sup>st</sup> |
| 49 |         | B.Amarnadh      | Technical (c-way surfers), VRSEC | 1 <sup>st</sup> |
| 49 |         | G Sneha         | Paper Presentation, MVR          | 2 <sup>nd</sup> |
| 50 |         | Y Pameela       | Paper Presentation, MVR          | 2 <sup>nd</sup> |
| 51 |         | Y Pameela       | Debugging                        | 2 <sup>nd</sup> |
| 52 |         | G.Sneha         | Debugging, MVR                   | 2 <sup>nd</sup> |
| 53 |         | S Purna Nandini | Paper Presentation, NRI          | 1 <sup>st</sup> |

### Faculty Awards

| S. No | Name of Faculty      | Academic Year | Name of the Award                     |
|-------|----------------------|---------------|---------------------------------------|
| 1     | Dr. B Janaki Ramaiah | 2015-16       | Best Teacher Award                    |
| 2     | Mr. K Mahanthi       | 2014-15       | Best Contribution Towards IT Services |
| 3     | Mr. D Varun Prasad   | 2013-14       | Best Contribution towards IT Services |
| 4     | Ms. L Kanya Kumari   | 2012-13       | Best Teacher Award                    |

### 24. List of eminent academicians and scientists/visitors to the department

| Academic year | Name of the academician/scientist | Designation        | Program organized  |
|---------------|-----------------------------------|--------------------|--|
| 2016-17       | Mr.K Naga kumar                   | CEO and CO founder | One week Training program on window's development using C# and MTA certification |
|               | Mr. Madhu K                       | Managing Director  | A Refresher course on JAVA Programming   |
|               | Mr. KNS Prasad                    | DGM, BSNL          | A Two Day Workshop on Latest Networking Technologies and Services                |
|               | Mr.P Raju                         | Sr. SDE, BSNL      |  |
|               | Mr. D Srinivasa Rao               | JTO, BSNL          |  |
|               | Mr. V Yedukondalu                 | JTO, BSNL          |  |

|         |                             |                                |   |
|---------|-----------------------------|--------------------------------|---|
|         | Dr J V R Murthy             | JNTUK Kakinada                 | International Conference IC3T                                   |
|         | Dr J V Somayajulu           | NIT Warangal                   |   |
|         | Dr Suresh Chandra Satapati  | ANITS Vizag                    |   |
|         | Dr B K Panigrahi            | IIT Delhi                      |   |
|         | Dr Sk Udgata                | University of Hyderabad        |   |
|         | Dr Arunkumar Thangavelu     | VIT Vellure                    |   |
| 2015-16 | Mr Kishore kumar vv         | Founder of KISHCAT classes     | Carrier options and Higher studies                              |
|         | Mr. Sumanth Palepu          | WEVIO-INDIA                    |   |
|         | Mr Srikanth                 | The UX Group                   | UI Design and Web Development                                   |
|         | Mr Mohit, P Thahiliani      | NITK, Surathkal                | DST sponsored NS3 workshop                                      |
|         | Mr K.Madhu                  | TEKTRACKS                      | .net Training   |
|         | Dr Suresh Chandra Satapathy | Professor, HOD-ANITS Vizag     | DST sponsored Soft Computing Workshop                           |
| 2014-15 | Mr. Md. Abdulla             | WEVIO -INDIA                   | Seminar on Career Objectives                                    |
|         | Mr. KS Mohan                | TCS Chennai                    | A Seminar on How to crack TCS interview process                 |
|         | Mr. KRSR Krishna            | The UX Group                   | A session on Industry Institute Interface                       |
|         | Mr. Manikanta D             | TEKTRAKS                       | ORACLE SQL & PL/SQL   |
| 2013-14 | Mr. Vijay kumar             | COIGNEDU & IT Services         | “Two day workshop on Android “                                  |
|         | Mr. Sisir Kumar             | UX Group                       | Workshop On “Android Application Development”                   |
|         | Mr. Hemath Alluri           | Indian apple solutions limited | “One day workshop on APPLE iOS”                                 |
|         | Project Manager             | NIIT, Vijayawada               | A Seminar on “Orientation on SDLC”                              |
|         | Mr. Hemath Alluri           | Indian apple solutions Limited | “Workshop on APPLE iOS”   |
|         | Mr. T Sri Rama Subbarao     | TEKTRAKS                       | Orientation on “Emerging Technologies and Projects Development” |
| 2012-13 | Mr.Srinivas Subba Rao       | Project Manager                | Guest Lecture on “Recent Trends in Software Development”        |

|  |                     |                  |  |
|--|---------------------|------------------|--|
|  | K Sudheer           | Microsoft, India | A Seminar on “Microsoft Technologies, products and certificates”         |
|  | KVSG Murali krishna | JNTU Kakinada    | Personality Development  |
|  | Mr Ramesh           | Project Lead     | Leader ship skills and campus to cooperate grooming and entrepreneurship |
|  | Mr V Samson         | e-World          | A orientation session on “applications related to railways”              |

25. Seminars/ Conferences / Workshops organized & the source of funding

**a) National**

| S. No | Academic Year | Funding Agency & Grant Received in Rs. | Name of the Event  | Date  |
|-------|---------------|--|--|---|
| 1     | 2016-17       | MIC                                    | One week Training program on window's development using C# and MTA certification | 20 <sup>st</sup> TO 25 <sup>th</sup> Jun 2016 |
| 2     |               | MIC                                    | Engineer's Day Celebrations  | 15 <sup>th</sup> Sep 2016                     |
| 3     |               | MIC                                    | Design and Development of Website using Dreamweaver                              | 23 <sup>rd</sup> , 24 <sup>th</sup> Sep 2016  |
| 4     |               | MIC                                    | Latest Networking Technologies and Services                                      | 28 <sup>th</sup> , 29 <sup>th</sup> Sep 2016  |
| 5     |               | MIC                                    | A Refresher course on JAVA Programming   | 27 <sup>th</sup> & 29 <sup>th</sup> Dec 2016  |
| 6     | 2015-16       | MIC                                    | Carrier options and Higher studies   | 30 <sup>th</sup> & 31 <sup>st</sup> Jul 2015  |
| 7     |               | MIC                                    | Android Application Development  | 21 <sup>st</sup> , 22 <sup>nd</sup> Aug 2015  |
| 8     |               | MIC                                    | Poster presentation contest  | 15 <sup>th</sup> Sep 2015                     |
| 9     |               | MIC                                    | Life after B.Tech  | 28 <sup>th</sup> & 30 <sup>th</sup> Sep 2015  |
| 10    |               | MIC                                    | UI Design and Web Development  | 8 <sup>th</sup> , 9 <sup>th</sup> Oct         |

|    |         |                      |   |  |
|----|---------|----------------------|---|--|
|    |         |                      |   | 2015   |
| 11 |         | DST-SERB<br>1,00,000 | Network Analysis using NS3 Tool<br>for Designing, Testing and<br>Implementation | 27 <sup>th</sup> , 28 <sup>th</sup> Nov<br>2015  |
| 12 |         | MIC                  | .net Training   | 19 <sup>th</sup> to 21 <sup>st</sup><br>Jan 2016 |
| 13 |         | DST-SERB<br>1,00,000 | Soft Computing Techniques for<br>Engineering Applications                       | 25 <sup>th</sup> , 26 <sup>th</sup> Feb<br>2016  |
| 14 | 2014-15 | MIC                  | Seminar on Career Objectives  | 14 <sup>th</sup> Nov<br>2014                     |
| 15 |         | MIC                  | SEAMIC EVENTS   | 23 <sup>rd</sup> , 24 <sup>th</sup> Jan<br>2015  |
| 16 |         | MIC                  | MOCK CRT TEST   | 28 <sup>th</sup> Jan 2015                        |
| 17 |         | MIC                  | A One-day workshop on TCS<br>interview process                                  | 10 <sup>th</sup> Feb 2015                        |
| 18 |         | MIC                  | A Seminar on How to crack TCS<br>interview process                              | 14 <sup>th</sup> , 15 <sup>th</sup> Feb<br>2015  |
| 19 |         | MIC                  | A session on Industry Institute<br>Interface                                    | 18 <sup>th</sup> Apr<br>2015                     |
| 20 |         | MIC                  | ORACLE SQL & PL/SQL   | 24 <sup>th</sup> , 25 <sup>th</sup><br>Apr 2015  |
| 21 | 2013-14 | MIC                  | “Two day workshop on Android “  | 7 <sup>th</sup> , 8 <sup>th</sup> Jun<br>2013    |
| 22 |         | MIC                  | Workshop On “Android<br>Application Development”                                | 8 <sup>th</sup> , 9 <sup>th</sup> Jul<br>2013    |
| 23 |         | MIC                  | “One day workshop on APPLE iOS”   | 30 <sup>th</sup> Jul 2013                        |
| 24 |         | MIC                  | A Seminar on “Orientation on<br>SDLC”   | 26 <sup>th</sup> Oct 2013                        |

|    |         |                  |   |   |
|----|---------|------------------|---|---|
| 25 |         | MIC              | “Workshop on APPLE iOS”   | 6 <sup>th</sup> to 9 <sup>th</sup> Nov 2013   |
| 26 |         | MIC              | Orientation on “Emerging Technologies and Projects Development”   | 22 <sup>nd</sup> Nov 2013                     |
| 27 | 2012-13 | MIC              | Guest Lecture on “Recent Trends in Software Development”  | 19 <sup>th</sup> Jun 2012                     |
| 28 |         | MIC              | A Seminar on “Microsoft Technologies, products and certificates”  | 21 <sup>st</sup> Jun 2012                     |
| 29 |         | MIC              | Personality Development   | 1 <sup>st</sup> Aug 2012                      |
| 30 |         | MIC              | Leader ship skills and campus to cooperate grooming and entrepreneurship  | 3 <sup>rd</sup> Aug 2012                      |
| 31 |         | MIC              | Activities like “paper presentation, elocution, role-play, technical quiz, essay competition, programming contest, logo design” | 25 <sup>th</sup> Aug 2012                     |
| 32 |         | MIC              | A orientation session on “applications related to railways”   | 10 <sup>th</sup> Nov 2012                     |
| 33 |         | ISTE<br>1,00,000 | Advanced Computer Architecture  | 22 <sup>nd</sup> to 27 <sup>th</sup> Apr 2013 |

#### b) International

| S. No | Funding Agency | Name of the Event  | Duration | Date  | Grant Received in Rs. |
|-------|----------------|--|----------|---|-----------------------|
| 1     | Springer       | International Conference on Computer and Communication Technologies(IC3T-16) | 2 Days   | 5 <sup>th</sup> & 6 <sup>th</sup> November 2016 | 9,00,000/-            |

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)                 | *                     | 141  | 80       | 61     |        |
| 2008-12 |                              | *                     | 140  | 76       | 64     |        |
| 2009-13 |                              | *                     | 122  | 57       | 65     | 80%    |
| 2010-14 |                              | *                     | 137  | 48       | 89     | 77%    |
| 2011-15 |                              | *                     | 125  | 69       | 56     | 77%    |
| 2012-16 |                              | *                     | 123  | 62       | 61     | 60%    |
| 2010-12 | M.Tech                       | *                     | 18   | 9        | 9      |        |
| 2011-13 |                              | *                     | 16   | 2        | 14     |        |
| 2012-14 |                              | *                     | 18   | 8        | 10     |        |
| 2013-15 |                              | *                     | 17   | 8        | 9      |        |

\*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 |
|-------------------|--------------------|-----------------------------------|---------------------------------|---------------------------|
| 2016-17           | B. Tech(CSE)       | 100                               | 0                               | 0                         |
| 2015-16           |                    | 100                               | 0                               | 0                         |
| 2014-15           |                    | 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 |         |         |         |
|-------------------------------------|---------------------------|---------|---------|---------|
|                                     | 2015-16                   | 2014-15 | 2013-14 | 2012-13 |
| GATE                                | 1                         | 4       | 4       | 3       |
| GRE & TOEFL/IELTS                   | 8                         | 7       | 11      | 9       |
| NET                                 | NIL                       |         |         |         |
| SLET                                |                           |         |         |         |
| Civil Services                      |                           |         |         |         |
| Defense Services                    |                           |         |         |         |
| Public Sector                       | -                         | -       | -       | -       |



## 29. Student Progression

| Student progression              | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG                         | 10%                |
| PG to M.Phil.                    | Nil                |
| PG to Ph.D                       | --                 |
| Ph.D.to Post-Doctoral            | Nil                |
| <b>Employed</b>                  |                    |
| •Campus selection                | 55%                |
| •Other than campus recruitment   | 17%                |
| Entrepreneurship/Self-employment | 10%                |

## 30. Details of Infrastructural facilities

## a) Library: 25 sq. meters

| No. of Titles | No. of Volumes | No. of e-Journals | No. of Printed Journals |
|---------------|----------------|-------------------|-------------------------|
| 227           | 285            | 82                | 15                      |

## b) Internet facilities for Staff &amp; Students:

- 10 Mbps Internet facility is provided for staff in their respective cabins.
- Internet facility is provided for students in labs.

## c) Class rooms with ICT facility

- Projector facility is available for Class rooms
- Internet facility is available for Class rooms

## d) Laboratories

- Projector facility is available
- Internet facility is available in labs.
- Department has 6 laboratories.
- Department has a sufficient laboratories that suit the curriculum.

## NAME OF THE LAB:Lab-1

AREA: 152 Sq.mt

| S.No. | Description of Equipment |     | Unit Cost | Total Amount | Condition<br>Working/<br>Not working |
|-------|--------------------------|-----|-----------|--------------|--------------------------------------|
|       | Name                     | Qty |           |              |                                      |

|                   |   |    |        |                |         |
|-------------------|---|----|--------|----------------|---------|
| 1                 | <b>System Configuration:</b><br>Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card | 78 | 18300  | 1427400        | Working |
| 2                 | 2 Gb Ram DDR2 - Add On  | 78 | 924    | 72072          | Working |
| 3                 | Numeric UPS - 20KVa, 20 Qty Batteries with Rack   | 1  | 375000 | 375000         | Working |
| 4                 | D-link 16-Port Network Switches   | 7  | 6300   | 44100          | Working |
| 5                 | Daikin Roof Mount Air Conditioners 3Ton   | 3  | 115000 | 345000         | Working |
| 6                 | Modular Computer Tables   | 78 | 2500   | 195000         | Working |
| 7                 | Wheel Chairs  | 80 | 1300   | 104000         | Working |
| 8                 | Staff Tables  | 2  | 2872   | 5744           | Working |
| 9                 | LED Lights  | 20 | 300    | 6000           | Working |
| 10                | Fans  | 7  | 1100   | 7700           | Working |
| <b>Total Cost</b> |   |    |        | <b>2582016</b> |         |

## NAME OF THE LAB:Lab-2

AREA: 152 Sq.mt

| S.No.             | Description of the Equipment  |     | Unit Cost | Total Amount   | Condition Working/ Not working |
|-------------------|---|-----|-----------|----------------|--------------------------------|
|                   | Name  | Qty |           |                |                                |
| 1                 | <b>System Configuration:</b><br>Acer Intel i3-4160 Processor, Intel H81 Chipset, Realtek AC 97 ON board Sound Card, 4 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 19" LED Monitor, 450W ATX, 100/1000mbps Ethernet card | 74  | 26300     | 1946250        | Working                        |
| 2                 | Numeric UPS - 20KVa, 20 Qty Batteries with Rack   | 1   | 375000    | 375000         | Working                        |
| 3                 | Dlink 16-Port Network Switches  | 7   | 6300      | 44100          | Working                        |
| 4                 | Daikin Roof Mount Air Conditioners 3Ton   | 3   | 115000    | 345000         | Working                        |
| 5                 | Modular Computer Tables   | 74  | 2500      | 185000         | Working                        |
| 6                 | Wheel Chairs  | 76  | 1300      | 98800          | Working                        |
| 7                 | Staff Tables  | 2   | 2872      | 5744           | Working                        |
| 8                 | LED Lights  | 20  | 300       | 6000           | Working                        |
| 9                 | Fans  | 7   | 1100      | 7700           | Working                        |
| <b>Total Cost</b> |   |     |           | <b>3013594</b> |                                |

## NAME OF THE LAB:Lab-3

AREA: 152 Sq.mt

| S.No.             | Description of the Equipment  |     | Unit Cost | Amount         | Condition Working/ Not Working |
|-------------------|---|-----|-----------|----------------|--------------------------------|
|                   | Name  | Qty |           |                |                                |
| 1                 | <b>System Configuration:</b><br>Acer Dual Core 1.8 GHz, Intel 945 Realtek AC 97 ON board Sound Card, 1 GB DDR2 RAM, 80GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 18" LCD Monitor, 450W ATX, 100/1000mbps Ethernet card | 78  | 18300     | 1427400        | working                        |
| 2                 | 2 Gb Ram DDR2 - Add On  | 78  | 924       | 72072          | working                        |
| 3                 | Numeric UPS - 20KV <sub>a</sub> , 20 Qty Batteries with Rack  | 1   | 375000    | 375000         | working                        |
| 4                 | Dlink 16-Port Network Switches  | 7   | 6300      | 44100          | working                        |
| 5                 | Daikin Roof Mount Air Conditioners 3Ton   | 3   | 115000    | 345000         | working                        |
| 6                 | Modular Computer Tables   | 78  | 2500      | 195000         | working                        |
| 7                 | Wheel Chairs  | 80  | 1300      | 104000         | working                        |
| 8                 | Staff Tables  | 2   | 2872      | 5744           | working                        |
| 9                 | LED Lights  | 20  | 300       | 6000           | working                        |
| 10                | Fans  | 7   | 1100      | 7700           | working                        |
| <b>Total Cost</b> |   |     |           | <b>2582016</b> |                                |

## NAME OF THE LAB:Lab-4

AREA: 148 Sqmt

| S.No.             | Description of the Equipment  |     | Unit Cost | Amount         | Condition Working/ Not Working |
|-------------------|---|-----|-----------|----------------|--------------------------------|
|                   | Name  | Qty |           |                |                                |
| 1                 | Acer Intel Quad Core-J2900 , Intel 945 Realtek AC 97 ON board Sound Card, 4 GB DDR3 RAM, 500GB HDD, 121 keys Keyboard, 2 Buttons Optical Mouse, 19" LED Monitor, 450W ATX, 100/1000mbps Ethernet card | 69  | 21500     | 1483500        | working                        |
| 2                 | APC UPS 20KV <sub>a</sub> , 26 Ah 32 Qty Batteries with Rack  | 1   | 292400    | 292400         | working                        |
| 3                 | Epson X-03 Projector with Wifi Dongle   | 1   | 37000     | 37000          | working                        |
| 4                 | Cisco 24 Port Gbit Manageable Switch  | 1   | 14800     | 14800          | working                        |
| 5                 | Cisco Switch SG-300 28 Port   | 3   | 9500      | 28500          | working                        |
| 6                 | Mitsubishi Roof Mount Air Conditioners 3Ton   | 2   | 172500    | 345000         | working                        |
| 7                 | Modular Computer Tables   | 69  | 2826      | 195000         | working                        |
| 8                 | Wheel Chairs  | 71  | 1464      | 104000         | working                        |
| 9                 | Staff Tables  | 2   | 2872      | 5744           | working                        |
| 10                | LED Lights  | 20  | 300       | 6000           | working                        |
| 11                | Fans  | 7   | 1100      | 7700           | working                        |
| <b>Total cost</b> |   |     |           | <b>2519644</b> |                                |

## NAME OF THE LAB:Lab-5

AREA: 114 Sq.mt

| S.No.             | Description of the Equipment  |     | Unit Cost | Total Amount   | Condition Working / Not working |
|-------------------|---|-----|-----------|----------------|---------------------------------|
|                   | Name  | Qty |           |                |                                 |
| 1                 | <b>System Configuration:</b><br>Acer PIV 2.66 GHz HT Intel 915<br>Realtek AC 97 ON board Sound Card,<br>1 GB DDR RAM, 80/160GB HDD,<br>121 keys Keyboard, 2 Buttons Optical<br>Mouse, 450W ATX, 10/100mbps<br>Ethernet card | 71  | 20150     | 1430650        | working                         |
| 2                 | Acer 19" LED Monitors   | 71  | 5250      | 372750         | working                         |
| 3                 | APC UPS 20KVa, 26 Ah 32 Qty<br>Batteries with Rack  | 1   |           | 292400         | working                         |
| 4                 | Cisco 24 Port Gbit Manageable<br>Switch   | 1   |           | 14800          | working                         |
| 5                 | Cisco Switch SG-300 28 Port   | 3   | 9500      | 28500          | working                         |
| 6                 | Mitsubishi Roof Mount Air<br>Conditioners 3Ton  | 2   | 172500    | 345000         | working                         |
| 7                 | Modular Computer Tables   | 71  | 2500      | 177500         | working                         |
| 8                 | Wheel Chairs  | 72  | 1300      | 93600          | working                         |
| 9                 | Staff Tables  | 1   | 2872      | 2872           | working                         |
| 10                | LED Lights  | 20  | 300       | 6000           | working                         |
| 11                | Fans  | 7   | 1100      | 7700           | working                         |
| <b>Total cost</b> |   |     |           | <b>2771772</b> |                                 |

## NAME OF THE LAB:Lab-6

AREA: 114 Sq.mt

| S.No. | Name of the Equipment   |     | Unit cost | Amount  | Condition Working/Not working |
|-------|---|-----|-----------|---------|-------------------------------|
|       | Name  | Qty |           |         |                               |
| 1     | <b>System Configuration:</b><br>Acer PIV 3 GHz HT Intel 915 Realtek<br>AC 97 ON board Sound Card, 1 GB<br>DDR RAM, 80/160GB HDD, 121 keys<br>Keyboard, 2 Buttons Optical Mouse,<br>450W ATX, 10/100mbps Ethernet card | 71  | 21465     | 1523650 | Working                       |
| 2     | Acer 19" LED Monitors   | 71  | 5250      | 372750  | working                       |
| 3     | Head Phones   | 71  | 185       | 13,125  | working                       |
| 4     | APC UPS 20KVa, 26 Ah 32 Qty<br>Batteries with Rack  | 1   | 292400    | 292400  | working                       |
| 5     | Cisco 24 Port Gbit Manageable Switch  | 1   | 14800     | 14,800  | working                       |
| 6     | Cisco Switch SG-300 28 Port   | 3   | 9500      | 28500   | working                       |
| 7     | Mitsubishi Roof Mount Air Conditioners<br>3Ton  | 2   | 172500    | 345000  | working                       |

|                   |                         |    |      |                |         |
|-------------------|-------------------------|----|------|----------------|---------|
| 8                 | Modular Computer Tables | 71 | 2500 | 177500         | working |
| 9                 | Wheel Chairs            | 72 | 1300 | 93600          | working |
| 10                | Staff Tables            | 1  | 2872 | 2872           | working |
| 11                | LED Lights              | 20 | 300  | 6000           | working |
| 12                | Fans                    | 7  | 1100 | 7700           | working |
| <b>Total Cost</b> |                         |    |      | <b>2877897</b> |         |

31. Number of students receiving financial assistance from college, university, Government or other agencies

| S.No. | Academic Year | No. of Students | Financial assistance from college, university, government or other agencies |
|-------|---------------|-----------------|---|
| 1     | 2015-16       | 276             | Government  |
| 2     | 2014-15       | 249             | Government  |
| 3     | 2013-14       | 216             | Government  |
| 4     | 2012-13       | 213             | Government  |

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

| S.No. | Academic Year | Event Description  | Beneficiary | Name of the Resource Person | Designation / Company |
|-------|---------------|--|-------------|-----------------------------|-----------------------|
| 1     | 2016-17       | One week Training program on window’s development using C# and MTA certification | IV B.Tech   | K Naga kumar                | CEO and CO founder    |
| 2     |               | Latest Networking Technologies and Services                                      | III B.Tech  | Mr. KNS Prasad              | DGM                   |
|       |               |  |             | Mr.P Raju                   | Sr. SDE               |
|       |               |  |             | Mr. D Srinivasa Rao         | JTO                   |
|       |               |  |             | Mr. V Yedukondalu           | JTO                   |
| 3     |               | A Refresher course on JAVA Programming   | IV B.Tech   | Mr. Madhu K                 | Managing Director     |

|    |         |   |                 |                             |                                |
|----|---------|---|-----------------|-----------------------------|--------------------------------|
| 4  | 2015-16 | Carrier options and Higher studies              | III B.Tech      | Mr Kishore kumar vv         | Founder of KISHCAT classes     |
| 5  | 2015-16 | Carrier options and Higher studies              | III B.Tech      | Mr. Sumanth Palepu          | WEVIO-INDIA                    |
| 6  |         | UI Design and Web Development                   | III B.Tech      | Mr Srikanth                 | The UX Group                   |
| 7  |         | DST sponsored NS3 workshop                      | IV B.Tech       | Mr Mohit,P Thahiliani       | NITK,Surathkal                 |
| 8  |         | .net Training                                   | IV B.Tech       | Mr K.Madhu                  | TEKTRACKS                      |
| 9  |         | DST sponsored Soft Computing Workshop           | III B.Tech      | Dr Suresh Chandra Satapathy | Professor,HOD-ANITS Vizag      |
| 10 | 2014-15 | Seminar on Career Objectives                    | III B.Tech      | Md. Abdulla                 | WEVIO - INDIA                  |
| 11 |         | MOCK CRT TEST                                   | IV B.Tech       | COIGN Technologies          | COIGN Technologies             |
| 12 |         | A One-day workshop on TCS interview process     | IV B.Tech       | FACE Academy                | FACE Academy                   |
| 13 |         | A Seminar on How to crack TCS interview process | IV B.Tech       | KS Mohan                    | TCS Chennai                    |
| 14 |         | A session on Industry Institute Interface       | III B.Tech      | KRSR Krishna                | The UX Group                   |
| 15 |         | ORACLE SQL & PL/SQL                             | III B.Tech      | Manikanta D                 | TEKTRAKS                       |
| 16 | 2013-14 | “Two day workshop on Android “                  | III B.Tech      | Vijay kumar                 | COIGNEDU & IT Services         |
| 17 |         | Workshop On “Android Application Development”   | IV B.Tech       | Sisir Kumar                 | UX Group                       |
| 18 |         | “One day workshop on APPLE iOS”                 | IV B.Tech       | Hemath Alluri               | Indian apple solutions limited |
| 19 |         | A Seminar on “Orientation on SDLC”              | IV B.Tech       | Project Manager             | NIIT, Vijayawada               |
| 20 |         | “Workshop on APPLE iOS”                         | III & IV B.Tech | Hemath Alluri               | Indian apple solutions         |

|    |         |   |                 |                       |                  |
|----|---------|---|-----------------|-----------------------|------------------|
|    |         |   |                 |                       | Limited          |
| 21 |         | Orientation on “Emerging Technologies and Projects Development”         | III & IV B.Tech | T Sri Rama Subbarao   | TEKTRAKS         |
| 22 | 2012-13 | Guest Lecture on “Recent Trends in Software Development”                | IV B.Tech       | Mr.Srinivas Subba Rao | Project Manager  |
| 23 |         | A Seminar on “Microsoft Technologies, products and certificates”        | III,IV B.Tech   | K Sudheer             | Microsoft, India |
| 24 |         | Personality Development   | IV B.Tech       | KVSG Murali Krishna   | JNTU Kakinada    |
| 25 |         | Leadership skills and campus to cooperate grooming and entrepreneurship | IV B.Tech       | Mr Ramesh             | Project Lead     |
| 26 |         | A orientation session on “applications related to railways”             | IV B.Tech       | Mr V Samson           | e-World          |

### 33. Teaching methods adopted to improve student learning

Faculty members adopt various teaching methods to cater to the needs of the entire spectrum of students in a particular class. The following are the frequently used teaching methods by the faculty:

- Lectures Interspersed With Discussion
- Tutorials
- Demonstration
- Group Assignments/Projects
- Presentations
- Asynchronous Discussions
- Conduct of remedial classes for slow learners
- Role play's
- Guest Lecture, Seminar, Workshops on Advanced Topics

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The Department actively participates in the activities organized by National Service Scheme of the organization. We adhere to the calendar proposed by the NSS unit in addition to various activities conducted by the department

| 2015-16 |   |                              |                                |
|---------|---|------------------------------|--------------------------------|
| S. No   | Name Of Activity  | No. of Students Participated | Date(s)                        |
| 1       | Donation Of Note Books                                    | 05                           | 15-7-2015                      |
| 2       | Blood Donation Camp                                       | 02                           | 12-08-2015                     |
| 3       | Visit Old-Age home Birthday of Mother Teresa              | 12                           | 26-08--2015                    |
| 4       | Birth anniversary Celebrations of Dr.APJ Abdul Kalam      | 03                           | 15-10-2015                     |
| 5       | Visit To Apple Foundation For Orphan Children             | 01                           | 06-02-2016                     |
| 6       | Old-Age home visit  | 02                           | 26-08-2015                     |
| 7       | Youth for rural development                               | 33                           | 09-03-2016<br>To<br>15-03-2016 |
| 2014-15 |   |                              |                                |
| 1       | Blood grouping at campus                                  | 1                            | 14-06-2014                     |
| 2       | Donation Of Note Books                                    | 1                            | 05-07-2014                     |
| 3       | Donation Of Note Books                                    | 2                            | 08-07-2014                     |
| 4       | Blood Donation Camp at college campus                     | 1                            | 14-07-2014                     |
| 5       | Visit to apple foundation for orphan childrens            | 5                            | 19-09-2014                     |
| 6       | Fund raising program                                      | 1                            | 21-10-2014 to<br>23-10-2014    |
| 7       | Swatchh Bharat mission –campus clean and green            | 4                            | 28-11-2014                     |
| 8       | Visit To Old age home &Swatchh Bharat at the Old age home | 22                           | 05-12-2014                     |



|                |   |    |                          |
|----------------|---|----|--------------------------|
| 9              | Donation of water purifier plant and Donation Of Note Books at MPUP school Perakalapadu     | 4  | 12-12-2014               |
| 10             | Free dental checkup & blood grouping camp(550 students checkup)                             | 4  | 20-03-2015               |
| <b>2013-14</b> |   |    |                          |
| 1              | Visit to Annamma School for hearing and physically challenged, Kondapallii, Vijayawada      | 67 | 21-06-2013               |
| 2              | Blood Donation Camp   | 59 | 09-07-2013               |
| 3              | Fund Rising Programme for Uttarakhand Flood Victims   | 59 | 15-07-2013 to 17-07-2013 |
| 4              | 5 Km Walk   | 59 | 20-07-2013               |
| 5              | Joy Of Giving Week Visit To Apple Orphanage Help To Sri Netra                               | 62 | 02-10-2013 to 08-10-2013 |
| 6              | Free Dental Check-Up  | 59 | 14-11-2013               |
| 7              | Donation Of Notebooks   | 59 | 29-01-2014               |
| 8              | Visit To Mother's Home  | 59 | 14-02-2014               |
| 9              | Free eye check up camp and literacy programme   | 59 | 12-02-2014               |
| 10             | Tree plantation   | 59 | 13-02-2014               |
| 11             | Legal awareness camp & awareness on RTI act   | 59 | 14-02-2014               |
| 12             | Health checkup for school children  | 59 | 15-02-2014               |
| 13             | Literary, sports activities for school children   | 59 | 16-02-2014               |
| 14             | General medical camp.   | 59 | 17-02-2014               |
| 15             | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 66 | 18-02-2014               |
| <b>2012-13</b> |   |    |                          |
| 1              | 5 km Rally on "Importance of Blood Donation"  | 60 | 26-06-2012               |

|    |   |    |                             |
|----|---|----|-----------------------------|
| 2  | Blood Donation camp                                     | 60 | 27-06-2012                  |
| 3  | Distribution of note books                              | 60 | 12-07-2012                  |
| 4  | Day for Disabled  | 60 | 18-07-2012                  |
| 5  | Quit India Day  | 60 | 08-08-2012 to<br>09-08-2012 |
| 6  | NSS Foundation Day, Visit to oldage home                | 60 | 29-09-2012                  |
| 7  | Blood Grouping for all the students                     | 60 | 14-11-2012                  |
| 8  | Joy of giving week- help to jyothiswar with 5 km walk   | 60 | 12-12-2012                  |
| 9  | Distribution of basic needs to children                 | 60 | 02-01-2013                  |
| 10 | Youth festival  | 60 | 10-01-2013 to<br>12-01-2013 |
| 11 | Blood Donation camp                                     | 60 | 10-01-2013                  |
| 12 | Inauguration of Special camp and Micro Survey           | 60 | 11-02-2013                  |
| 13 | Free Eye Check up Camp                                  | 60 | 12-02-2013                  |
| 14 | Clean& Hygiene - Awareness Rally on Plastic Usage       | 60 | 13-02-2013                  |
| 15 | Health Check up Camp for Children                       | 60 | 15-02-2013                  |
| 16 | Literacy Programme for Middle Age People in the Village | 60 | 16-02-2013                  |
| 17 | BP, Sugar, & Heart Check up Camp                        | 60 | 17-02-2013                  |
| 18 | Village Greenery & Valedictory                          | 55 | 18-02-2013                  |

35. SWOC analysis of the department and Future plans

#### **SWOC analysis of the department and Future plans**

##### **Strengths**

- Experienced and Qualified Faculty
- Faculty Retention

- Industry Institute Interaction
- State of the art Infrastructure
- Placements
- Higher Studies
- Active Participation of the Students in various activities
- UG course Accredited by NBA

**Weakness**

- Quality of Research to be improved
- Motivation in students to get oriented towards Civil Services to be improved

**Opportunities**

- Scope to enhance and strengthen internal and external collaborations with respect to industry institute Interaction and alumni.
- Encourage Start ups to promote entrepreneurship.
- More Scope for consultancy
- Higher Job Opportunities in IT

### **Challenges**

- Meeting the current Industry needs without compromising fundamentals
- Rapid evolution of technologies in IT
- Design and Incorporate course modules in the curriculum that retains students' interests and meet industry needs

### **Future Plans:**

- Establish Centers of Excellence
- Improving the campus placements in the multinational companies
- Enhancing Research activities in the department
- Improve Research grants
- Organize and participate in national and international events

## Evaluative Report

### Department of 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.)

| DETAILS OF PROGRAMS OFFERED |                       |                |
|-----------------------------|-----------------------|----------------|
| COURSE                      | YEAR OF ESTABLISHMENT | INTAKE DETAILS |
| B.TECH                      | 2002                  | 60             |
|                             | 2006                  | 120            |
|                             | 2014                  | 180            |
| M.TECH<br>(DECS)            | 2011                  | 18             |
|                             | 2014                  | 36             |
|                             | 2016                  | 18             |
| M.TECH<br>(VLSI & ES)       | 2012                  | 24             |

4. Names of Interdisciplinary courses and the departments/units involved

| S.NO | NAME OF THE COURSE                          | PROGRAM | YEAR /SEMESTER | DEPARTMENT INVOLVED | ELECTIVE/ COMPULSORY |
|------|---|---------|----------------|---------------------|----------------------|
| 1    | Managerial Economics and Financial Analysis | B.TECH  | II/I           | MBA                 | COMPULSORY           |
| 2    | Data Structures                             | B.TECH  | II/I           | CSE                 | COMPULSORY           |
| 3    | Environmental Studies                       | B.TECH  | II/I           | HUMANITES           | COMPULSORY           |
| 4    | Electrical Technology                       | B.TECH  | II/I           | EEE                 | COMPULSORY           |
| 5    | Networks and Electrical Technology Lab      | B.TECH  | II/I           | EEE                 | COMPULSORY           |
| 6    | Management Science                          | B.TECH  | II/II          | MBA                 | COMPULSORY           |
| 7    | IPR & Patents I                             | B.TECH  | III/I          | MBA                 | COMPULSORY           |

|    |                                   |        |       |     |          |
|----|-----------------------------------|--------|-------|-----|----------|
| 8  | Object Oriented Programming & O S | B.TECH | IV/I  | CSE | ELECTIVE |
| 9  | Advanced Computer Architecture    | B.TECH | IV/I  | CSE | ELECTIVE |
| 10 | Network Security & Cryptography   | B.TECH | IV/I  | CSE | ELECTIVE |
| 11 | Cloud Computing                   | B.TECH | IV/II | CSE | ELECTIVE |

5. Annual/ semester/choice based credit system (programme wise)  
This credit system was given by JNTU Kakinada which is as follows

- B.Tech (Electronics & Communication Engineering) – Semester based Credit system- Electives for Higher semester.
- M.Tech (Digital Electronics & Communication Systems) - Semester based Credit system- Electives for Higher semester.
- M.Tech (Embedded Systems) - Semester based Credit system- Electives for Higher semester.

| Regulations | Subject  | Laboratory | Project |
|-------------|----------|------------|---------|
| R10         | 4 credit | 2 credits  | 12      |
| R13         | 3 credit | 2 credits  | 9       |
| R16         | 3credit  | 2 credits  | 9       |

#### For R13 regulation

**Total course credits = 180**

First Year = 48      Second year= 44      Third Year= 45      Fourth Year= 43

6. Participation of the department in the courses offered by other departments

| S.NO | NAME OF THE COURSE               | PROGRAM | YEAR /SEMESTER | DEPARTMENT INVOLVED | ELECTIVE/ COMPULSORY  |
|------|----------------------------------|---------|----------------|---------------------|-----------------------|
| 1    | Digital Logic Design             | CSE     | II/I           | ECE                 | Compulsory            |
| 2    | Data Communication Systems       | CSE     | III/I          | ECE                 | Compulsory            |
| 3    | Digital Logic Design Lab         | CSE     | II/I           | ECE                 | Compulsory            |
| 4    | Electronics Devices and Circuits | CSE,EEE | II/I           | ECE                 | Compulsory (R10 only) |
| 5    | Electronics                      | CSE,EEE | II/II          | ECE                 | Compulsory (R10)      |

|   |                                   |     |       |     |                       |
|---|-----------------------------------|-----|-------|-----|-----------------------|
|   | Devices and Circuits Lab          |     |       |     | only)                 |
| 6 | Switching Theory and Logic Design | EEE | II/II | ECE | Compulsory (R10 only) |

7. Courses in collaboration with other universities, industries, foreign institutions, etc:

**NIL**

8. Details of courses/programmes discontinued (if any) with reasons :**NIL**

9. Number of Teaching posts

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 5          | 2      |
| Associate Professors | 10         | 7      |
| Asst. Professors     | 41         | 37     |

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| S.No | Name            | Qualification | Designation      | Specialization                        | Experience(in Years) | No. of Ph.D. Students guided for the last 4 years |
|------|-----------------|---------------|------------------|---------------------------------------|----------------------|---|
| 1    | Dr.G.Chenchamma | M.Tech, Ph.D  | Professor        | Speech Processing                     | 19                   | Nil   |
| 2    | Dr.Y.S.V.Raman  | M.Tech, Ph.D  | Professor        | Mobile Communication                  | 16                   | Nil   |
| 3    | A.Sarada        | M.E           | Assoc. Professor | Applied Electronics                   | 23                   | Nil   |
| 4    | M Madhavi       | M.Tech(Ph.D)  | Assoc. Professor | Digital Electronics and Communication | 8                    | Nil   |
| 5    | D Prabhakar     | M.Tech(Ph.D)  | Assoc. Professor | Microwave &Radars                     | 12                   | Nil   |
| 6    | B.R.K.Singh     | M.Tech        | Assoc. Professor | Instrumentation and Control Systems   | 22                   | Nil   |

|    |                          |                           |                  |  |    |     |
|----|--------------------------|---------------------------|------------------|--|----|-----|
| 7  | Ch Pulla Rao             | AMIETE,<br>M.Tech.,(Ph.D) | Assoc. Professor | Communication<br>Engineering,            | 6  | Nil |
| 8  | B Srinivas Raja          | M.Tech<br>M B A (Ph.D)    | Assoc. Professor | Communication<br>systems & Image         | 10 | Nil |
| 9  | VVS Murthy               | B.E,M.Tech(Ph.<br>D)      | Assoc. Professor | Embedded systems<br>/ Image processing   | 13 | Nil |
| 10 | Y.Sruthi                 | M.Tech                    | Asst. Professor  | Digital Electronics<br>and Communication | 5  | Nil |
| 11 | G.Anantha Lakshmi        | M.Tech                    | Asst. Professor  | VLSI systems<br>Design                   | 6  | Nil |
| 12 | Y Arpitha                | M.Tech                    | Asst. Professor  | Digital Systems<br>And Computer          | 5  | Nil |
| 13 | D Rahul                  | M.S                       | Asst. Professor  | Embedded<br>Communication                | 5  | Nil |
| 14 | M Adisheshaiah           | M.Tech.,(Ph.D)            | Asst. Professor  | VLSI systems<br>Design                   | 6  | Nil |
| 15 | N Pitcheswara Rao        | M.E                       | Asst. Professor  | VLSI Design &<br>Digital Electronics     | 6  | Nil |
| 16 | M.Hareesh Babu           | M.Tech                    | Asst. Professor  | VLSI Design &<br>Digital Electronics     | 6  | Nil |
| 17 | N.Veeraiah               | M.Tech.,(Ph.D)            | Asst. Professor  | Signal Processing                        | 4  | Nil |
| 18 | Muzammil<br>Parvez M     | M.Tech.,(Ph.D)            | Asst. Professor  | Communication<br>Systems                 | 4  | Nil |
| 19 | K.V.Venkata Kumar        | M.Tech.,(Ph.D)            | Asst. Professor  | Image processing                         | 4  | Nil |
| 20 | M Gopala Krishna         | M.Tech.,(Ph.D)            | Asst. Professor  | VLSI systems<br>Design                   | 4  | Nil |
| 21 | T Sridevi                | M.Tech                    | Asst. Professor  | VLSI systems<br>Design                   | 3  | Nil |
| 22 | Sk Rahil Hussain         | M.Tech                    | Asst. Professor  | VLSI systems<br>Design                   | 3  | Nil |
| 23 | K.Veenanand              | M.Tech                    | Asst. Professor  | VLSI systems<br>Design                   | 6  | Nil |
| 24 | D.Venkata<br>Ramakrishna | M.Tech                    | Asst. Professor  | Digital Electronics<br>& Communication   | 6  | Nil |
| 25 | P L S Narasimha<br>Rao   | M.Tech                    | Asst. Professor  | Embedded Systems                         | 6  | Nil |
| 26 | Y Umamaheswari           | M.Tech                    | Asst. Professor  | Digital Systems &<br>Computer            | 3  | Nil |
| 27 | K.Deepthi                | M.Tech                    | Asst. Professor  | VLSI& Embedded<br>Systems                | 2  | Nil |
| 28 | T.Vijayakanth            | M.Tech                    | Asst. Professor  | VLSI I& Embedded<br>Systems              | 2  | Nil |
| 29 | M.Sai Bhardwaj           | M.Tech                    | Asst. Professor  | VLSI & Embedded<br>Systems               | 2  | Nil |
| 30 | T.Nagendra Babu          | M.Tech                    | Asst. Professor  | VLSI & Embedded<br>Systems               | 3  | Nil |
| 31 | K.V.Seshagiri Rao        | M.Tech                    | Asst. Professor  | Communication<br>Systems                 | 1  | Nil |



|    |                               |        |                 |  |    |     |
|----|-------------------------------|--------|-----------------|--|----|-----|
| 32 | G.V.P.Chandra<br>Sekhar Yadav | M.Tech | Asst. Professor | Digital Electronics<br>& Communication | 2  | Nil |
| 33 | V.Navya Sree                  | M.Tech | Asst. Professor | Digital Electronics<br>& Communication | 2  | Nil |
| 34 | Ch.Lakshmana                  | M.Tech | Asst. Professor | VLSI I& Embedded<br>Systems            | 1  | Nil |
| 35 | K.Ravi Kumar                  | M.Tech | Asst. Professor | VLSI System<br>Design                  | 10 | Nil |
| 36 | K.Suresh                      | M.Tech | Asst. Professor | VLSI I& Embedded<br>Systems            | 1  | Nil |
| 37 | P.kranthi                     | M.Tech | Asst. Professor | Communication<br>Systems               | 1  | Nil |
| 38 | M.Padma Sailaja               | M.Tech | Asst. Professor | Digital Electronics<br>& Communication | 2  | Nil |
| 39 | Ch.Vineela                    | M.Tech | Asst. Professor | Communications<br>and Radar Systems    | 1  | Nil |
| 40 | P.Leela Parvathi              | M.Tech | Asst. Professor | VLSI System<br>Design                  | 1  | Nil |
| 41 | V.Nagarani                    | M.Tech | Asst. Professor | Embedded Systems                       | 2  | Nil |
| 42 | D.Lakshmi Pujitha             | M.Tech | Asst. Professor | Digital Electronics<br>& Communication | 1  | Nil |
| 43 | M.Sumalatha                   | M.Tech | Asst. Professor | VLSI                                   | 2  | Nil |
| 44 | K.Swarajya<br>Lakshmi         | M.Tech | Asst. Professor | VLSI                                   | 1  | Nil |
| 45 | Parveen<br>Sulthana Md        | M.Tech | Asst. Professor | VLSI SYTEMS<br>DESIGN                  | 2  | Nil |
| 46 | P.Suresh                      | M.Tech | Asst. Professor | VLSI SYSTEMS<br>DESIGN                 | 1  | Nil |

## 11. List of senior visiting faculty

| Name of senior visiting faculty<br>and research scientist | Name of Institute /<br>Organization | Purpose                                     |
|---|-------------------------------------|---|
| C B Rama Rao  | NIT Warangal                        | Guest lecture for national<br>level seminar |
| NVSS N Sharma   | NIT Warangal                        | Guest lecture for national<br>level seminar |
| M V Subba Rao   | SHAR Sriharikota                    | Guest lecture                               |
| MYS Prasad  | SHAR Sriharikota                    | Guest lecture                               |
| KNS Prasad (DGM)  | BSNL Vijayawada                     | Guest lecture                               |
| Dr Y Mallikarjuna Prasad                                  | Andhra University                   | Guest lecture                               |
| Dr K Satya Prasad   | JNTU Kakinada                       | Guest lecture                               |
| Dr B.Prabakar Rao   | JNTU Kakinada                       | Guest lecture for national<br>level seminar |

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

| Category                           | Sanctioned | Filled |
|------------------------------------|------------|--------|
| Academic Support Staff (Technical) | 10         | 10     |
| Administrative Staff               | 03         | 03     |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| Qualification of Faculty          | No Faculty |
|-----------------------------------|------------|
| Ph.Ds                             | 02         |
| pursuing Ph.Ds                    | 10         |
| <b>EXPERIENCE IN THIS COLLEGE</b> |            |
| Above 10 Yrs                      | 08         |
| Above 5 Yrs.                      | 12         |
| Above 3 Yrs                       | 08         |
| Above 2 Yrs                       | 18         |
| Student staff ratio               | 1 :15      |
| NET QUALIFIED                     | 6          |
| GATE QUALIFIED                    | 29         |

**Ph.D Registered faculty:**

| SNO | Name of the faculty | Year of Registration | University        |
|-----|---------------------|----------------------|-------------------|
| 1   | VVS Murthy          | 2012                 | ANU,Guntur        |
| 2   | D Prabhakar         | 2013                 | Andhra University |
| 3   | M Madhavi           | 2013                 | JNTUK,Kakinada    |
| 4   | B Srinivas Raja     | 2013                 | ANU,Guntur        |
| 5   | Ch Pulla Rao        | 2013                 | JNTUK,Kakinada    |
| 6   | M.Muzammil Parvez   | 2013                 | BharathUniversity |
| 7   | KVV Kumar           | 2013                 | KL university     |
| 8   | M Gopala Krishna    | 2015                 | JNTUK,Kakinada    |
| 9   | N Veeraiah          | 2015                 | JNTUK,Kakinada    |
| 10  | M Adiseshaiah       | 2015                 | JNTUK,Kakinada    |

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

| S.No | Principal Investigator/ Coordinator | Title  | File No.        | Dates/ Duration          | Amount Sanctioned |
|------|-------------------------------------|--|-----------------|--------------------------|-------------------|
| 1    | Dr.A.Guruva Reddy                   | <u>National Level Workshop on “Advanced Biomedical Signal Processing and its applications”</u> | SB/SS147 /15-16 | 26-06-2015 to 27-06-2015 | 1,00,000.00       |

|   |                   |  |                     |                                |              |
|---|-------------------|--|---------------------|--------------------------------|--------------|
| 2 | Dr.A.Guruva Reddy | <u>National Level Seminar on “Smart Antenna Technologies for future Wireless Systems: Trends and Challenges”</u> | SB/SS171<br>7/14-15 | 12-03-2015<br>to<br>13-03-2015 | 1,00,000.00  |
| 3 | Ms.M.Madhavi      | Generic optimized PC based fuzzy logic control of DC servo motor (aircraft actuator)                             | SR/WOS-A/ET-26-2011 | 09-05-2011<br>to<br>31-03-2015 | 18,30,000.00 |

18. Research Centre /facility recognized by the University: **NO**

19. Publications:

- \* a) Publication per faculty
- \* Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs
  - \* Chapter in Books
  - \* Books Edited
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index

| S.No. | Name of Faculty    | Total No .of Publications | Monographs | Chapter in Books | Books Edited | Books with ISSN No. | Citation Index | SNIP | STR | No.of Publications with Impact factor | Publications with H-Index |
|-------|--------------------|---------------------------|------------|------------------|--------------|---------------------|----------------|------|-----|---------------------------------------|---------------------------|
| 1     | A. Sarada          | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 2     | Dr. G. Chenchamma  | 16                        | -          | -                | -            | 1                   | -              | -    | -   | 10                                    | -                         |
| 3     | Dr. Y.S.V.Raman    | 12                        | -          | -                | -            | -                   | -              | -    | -   | 10                                    | -                         |
| 4     | D. Prabhakar       | 10                        | -          | -                | -            | -                   | -              | -    | -   | 1                                     | 9                         |
| 5     | V.V.S.Murthy       | 16                        | -          | -                | -            | 3                   | -              | -    | -   | -                                     | -                         |
| 6     | M. Madhavi         | 15                        | -          | -                | -            | -                   | -              | -    | -   | 2                                     | -                         |
| 7     | B.R.K. Singh       | 4                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 8     | Ch. Pulla Rao      | 4                         | -          | -                | -            | -                   | -              | -    | -   | 3                                     | -                         |
| 9     | B Srinivas Raja    | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 10    | G. Anantha         | 4                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 11    | D. Rahul           | 4                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 12    | N. Pitcheswara Rao | 5                         | -          | -                | -            | -                   | -              | -    | -   | 1                                     | -                         |
| 13    | M. Adisheshaiah    | 6                         | -          | -                | -            | -                   | -              | -    | -   | 2                                     | -                         |
| 14    | M. Gopala Krishna  | 10                        | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 15    | N.Veeraiah         | 5                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 16    | K.V.V.Kumar        | 8                         | -          | -                | -            | -                   | -              | -    | -   | 2                                     | 9                         |
| 17    | Muzammil           | 9                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 18    | T. Sridevi         | 4                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 19    | Sk. Rahil Hussain  | 5                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 20    | K. Veenanand       | 1                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 21    | Y.Sruthi           | 1                         | -          | -                | -            | -                   | -              | -    | -   | 1                                     | -                         |
| 22    | P.L.S.             | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 23    | Y. Uma Maheswari   | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 24    | K. Deepthi         | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 25    | T. Vijaya Kanth    | 1                         | -          | -                | -            | -                   | -              | -    | -   | 1                                     | -                         |
| 26    | T. M. S. Bharadwaj | 2                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |
| 27    | K.V.Seshagiri Rao  | -                         | -          | -                | -            | -                   | -              | -    | -   | -                                     | -                         |

|    |                        |   |   |   |   |   |   |   |   |   |   |
|----|------------------------|---|---|---|---|---|---|---|---|---|---|
| 28 | G.V. P. Chandra Sekhar | 2 | - | - | - | - | - | - | - | - | - |
| 29 | V. Navya Sree          | 2 |   |   |   |   |   |   |   |   |   |
| 30 | Ch. Lakshmana          | 3 | - | - | - | - | - | - | - | 2 | - |
| 31 | K.Ravi kumar           | 1 | - | - | - |   | - | - | - | - | - |
| 32 | K.Suresh               | - | - | - | - | - | - | - | - | - | - |
| 33 | P.Kranthi              |   |   |   |   |   |   |   |   |   |   |
| 34 | M.Padma Sailaja        | - | - | - | - | - | - | - | - | - | - |
| 35 | Ch.Vineela             | 1 | - | - | - | - | - | - | - | - | - |
| 36 | P.Leela Pavithra       | 1 | - | - | - | - | - | - | - | - | - |
| 37 | V.Naga Rani            | 1 | - | - | - | - | - | - | - | - | - |

20 Areas of consultancy and income generated: **NIL**

21 Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

**NIL**

22 Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: **78.4%**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **21.6% in SCR Vijayawada, BSNL Vijayawada, NARL Tirupati**

23 Awards / Recognitions received by faculty and students:

| S.No | Academic Year | Awards/Recognitions                         |
|------|---------------|---|
| 1    | 2014-15       | <b>Best Department</b> (In working models)  |
| 2    | 2015-16       | <b>Best Department</b> (In working models ) |

24 List of eminent academicians and scientists / visitors to the Department

| Name of senior visiting faculty and research scientist | Name of Institute / Organization | Date of visit                               |
|--|----------------------------------|---|
| M V Subba Rao  | SHAR Sriharikota                 | 21 <sup>st</sup> July 2014                  |
| Dr N S Murthy  | NIT warangal                     | 5 <sup>th</sup> july-2014                   |
| Dr NVSS N Sharma                                       | NIT Warangal                     | 27 <sup>th</sup> & 28 <sup>th</sup> -08' 14 |

|                          |                             |                              |
|--------------------------|-----------------------------|------------------------------|
| Dr Y Mallikarjuna Prasad | Andhra University           | 12-13 <sup>th</sup> 03 2105  |
| Dr Prabakar Rao          | JNTU Kakinada               | 12-13 <sup>th</sup> Mar 2105 |
| Dr C B Rama Rao          | NIT Warangal                | 19&20-06-2015                |
| Dr MYS Prasad            | SHAR Sriharikota            | 19&20-06-2015                |
| Dr.Shaik Rafi Ahamed     | IITG Guwahati               | 29&30-06-2015                |
| Dr.S.Muttan, Professor   | Anna University             | 29&30-06-2015                |
| Dr K Satya Prasad        | JNTU Kakinda                | 19&20-06-2015                |
| Dr.B.Chandra Mohan       | Bapatla Engineering College | 19&20-06-2015                |
| Sidhant Dhall            | ARDL                        | 27th & 28th Sep'2015         |
| Gaurav Achha             | ARDL                        | 27th & 28th Sep'2015         |
| KNS Prasad (DGM)         | BSNL Vijayawada             | 23 <sup>rd</sup> -09-2016    |

25 Seminars/ Conferences/Workshops organized & the source of funding

**National**

**AY 2016-17**

| S.No | Title of the workshop                                      | Resource person(s)                 | Date(s) of workshop   | No. of participants |
|------|--|------------------------------------|---|---------------------|
| 1    | Four days Workshop on PCB Design                           | A.Govinda Rao                      | 2 <sup>nd</sup> ,3 <sup>rd</sup> ,26 <sup>th</sup> ,27 <sup>th</sup> Dec 2016 | 205                 |
| 2    | Three days workshop on Latest Telecom Technologies by BSNL | K.N.H Prasara<br>DGM<br>A Ravi SDE | 22 <sup>nd</sup> -24 <sup>th</sup> September 2016                             | 53                  |

**AY 2015-16:**

| S.No | Title of the workshop   | Resource person(s)  | Date(s) of workshop  | No. of participants |
|------|---|---|----------------------|---------------------|
| 1    | Two day National Workshop On “Payload design system for balloon satellite Launch” | Sidhant Dhall, Director, ARDL<br>Ayush Patawari, Director, ARDL<br>Gaurav Achha, Co Founder, ARDL<br>Triyambak Tripathy, Co Founder, ARDL | 27th & 28th Sep'2015 | 112                 |
| 2    | DST sponsored “Seminar on smart antenna Technologies”                             | DR. NVSN Sharma<br>DR. D Prabhakar<br>DR. Y Mallikarjun   | November 2015        | 89                  |

**AY 2014-15**

| S.No | Title  | Resource person(s)   | Date(s) of workshop | No. of participants |
|------|--|--|---------------------|---------------------|
| 1    | SERB sponsored National level workshop on Advanced Biomedical signal processing and its applications       | Dr.N.S.Murthy, Professor, NIT Warangal<br>Dr.Shaik Rafi Ahamed, Associate Professor, IITG Guwahati<br>Dr.S.Muttan, Professor, Anna University, Chennai<br>Dr.B.Chandramohan, Professor, Bapatla Engineering College, Bapatla | 29&30-06-2015       | 66                  |
| 2    | SERB sponsored National level workshop on Recent trends in Signal Processing and Communication Engineering | 1. Dr.M.Y.S Prasad, Distinguished Scientist,<br>Director SDSC::SHAR.<br>Dr. S. Srinivas Kumar,   | 19&20-06-2015       | 50                  |



|  |  |  |  |  |
|--|--|--|--|--|
|  |  | Director, R&D, JNTUK, Kakinada.  |  |  |
|  |  | Dr.Rama Rao C B, Professor,<br>NIT, Warangal.  |  |  |
|  |  | Dr.B.Chandra Mohan,<br>Professor&DeanAdministration,<br>Bapatla Engineering College. |  |  |

**AY 2013-2014**

| S.No | Title of the workshop  | Resource person(s)  | Date(s) of workshop                         | No. of participants |
|------|--|---|---|---------------------|
| 1    | A two day workshop on Recent trends and scope for research in signal processing and communications | 1. Dr. MYS Prasad, Director SDSC SHAR   | 27 <sup>th</sup> & 28 <sup>th</sup> Aug' 14 | 60                  |
|      |  | 2..Dr.N.V.S.N.Sharma, Professor<br>Electronics&Communications Engineering<br>NIT Warangal |   |                     |
|      |  | 3. Dr.Rama Rao C B, Professor, NIT, Warangal.   |   |                     |
|      |  | 4.Dr.B.ChandraMohan,Professor&Dean,<br>Administration Bapatla Engineering College         |   |                     |
| 2    | One Day Seminar On Trends in VLSI Design & DSP Architecture  | Dr. N.S.Murthy, Professor,NITWarangal.  | 5 <sup>th</sup> july-2014                   | 102                 |

**AY 2012-13**

| S.No | Title                      | Resource person(s)    | Date(s) Of workshop         | No: Of participants |
|------|----------------------------|-----------------------|-----------------------------|---------------------|
| 1    | A One day Workshop on ARM7 | 1..Mr.P.Satyanarayana | 13 <sup>th</sup> March 2013 | 75                  |
|      |                            | 2.Mr.Venkat           |                             |                     |

|   |   |  |   |     |
|---|---|--|---|-----|
|   |   | 3.Ms.Navyasri,<br>R & D Engineers, MCN<br>Technologies,<br>Vijayawada  |   |     |
| 2 | A five day workshop on<br>PIC microcontroller | 1.Ms.Navyasri,<br>2.Ms.Madhumala<br>3.P.Satyanarayana,<br>R & D Engineers, MCN                                 | 19 <sup>th</sup> to 23 <sup>rd</sup><br>July 2013 | 98  |
| 3 | A Two Day workshop on<br>PCB Design           | 1.Mr.R.Naveen kumar,<br>2.Ms.Madhumala,<br>3.Mr.Govind,<br>R & D Engineers, MCN<br>Technologies,<br>Vijayawada | 24 <sup>th</sup> & 25 <sup>th</sup><br>July 2013  | 114 |

26 Student profile programme/course wise:

### Admission Analysis

| Academic Year | Total Seats Sanctioned (UG) | Admitted | Percentage of Seats Filled | Admission Policy  |
|---------------|-----------------------------|----------|----------------------------|---|
| 2011-12       | 120+24=144                  | 144      | 100                        | As per Higher Education,<br>State Govt &<br>JNTUK,Kakinada University norms |
| 2012-13       | 120+24=144                  | 144      | 100                        |   |
| 2013-14       | 120+24=144                  | 133      | 92.3                       |   |
| 2014-15       | 180+36=216                  | 207      | 95.8                       |   |
| 2015-16       | 180+36=216                  | 213      | 98.6                       |   |
| 2016-17       | 180+36=216                  | 160*     | 74.07*                     |   |

\* Indicates without lateral entry

**Performance Analysis:**

| Academic Year | Name of the Course/programme  | Applications received | Selected | Enrolled |    | Passed students | Pass percentage |
|---------------|-------------------------------|-----------------------|----------|----------|----|-----------------|-----------------|
|               |                               |                       |          | *M       | *F |                 |                 |
| 2009-13       | B. Tech                       | **                    | 119      | 68       | 51 | 102             | 85.7            |
| 2010-14       |                               | **                    | 144      | 76       | 68 | 124             | 86.1            |
| 2011-15       |                               | **                    | 144      | 78       | 66 | 111             | 77.1            |
| 2012-16       |                               | **                    | 144      | 67       | 77 | 114             | 79.2            |
| 2011-13       | M. Tech<br>(DECS and VLSI ES) | **                    | 14       | 6        | 8  | 14              | 100             |
| 2012-14       |                               | **                    | 30       | 13       | 17 | 30              | 100             |
| 2013-15       |                               | **                    | 32       | 17       | 15 | 30              | 93.75           |
| 2014-16       |                               | **                    | 34       | 15       | 19 | ***             | ***             |

\*M = Male \*F = Female

\*\* Admitted through EAMCET and PGECET

\*\*\* Results to be announced

27 Diversity of Students : **NIL**

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                         | 32% Students enrolled for higher education    |
| PG to M.Phil.                    | NIL   |
| PG to Ph.D.                      | NIL   |
| Ph.D. to Post-Doctoral           | NIL   |
| <b>Employed</b>                  | 70.31% students enrolled for campus selection |
| • Campus selection               |   |
| • Other than campus recruitment  | 11.56% other than campus                      |
| Entrepreneurship/Self-employment | ISB 20% students enrolled                     |

| Academic Year | No of Students Enrolled | Campus Selected Students | Other than Campus Recruitment | Total Percentage |
|---------------|-------------------------|--------------------------|-------------------------------|------------------|
|---------------|-------------------------|--------------------------|-------------------------------|------------------|

|         |     |    |    |   |
|---------|-----|----|----|---|
| 2013-14 | 100 | 66 | 27 | ➤ Campus Selection-<br>70.31%<br>➤ Other than Campus—<br>11.56% |
| 2014-15 | 110 | 77 | 10 |   |
| 2015-16 | 110 | 82 | -- |   |

### 30 Details of Infrastructural facilities

| DESCRIPTION     | Nos: | Total Area  |
|-----------------|------|-------------|
| CLASS ROOMS     | 15   | 1140 Sq.Mts |
| TUTORIAL ROOMS  | 5    | 190 Sq.Mts  |
| CONFERENCE ROOM | 1    | 38 Sq.Mts   |
| LABS            | 10   | 1000 Sq.Mts |
| STAFF CABINS    | 26   | 250 Sq.Mts  |
| SEMINAR HALL    | 1    | 133 Sq.Mts  |

#### a) Library

| Academic Year   | 2016-17 | 2015-16    | 2014-15    | 2013-14    | 2012-13    | Total      |
|---|---------|------------|------------|------------|------------|------------|
| Number of volumes   | 114     | 49         | 67         | 96         | 66         | 392        |
| Reference books   | 18      | --         | 17         | --         | 12         | 47         |
| Project reports   | 181     | Maintained | Maintained | Maintained | Maintained | Maintained |
| CD/VCDs Multimedia  | 181     | Maintained | Maintained | Maintained | Maintained | Maintained |
| Projectors, Laptops are also available under library.<br>Department library is in the area of 38 Sq.Mts.<br>Properly equipped with infrastructure to accommodate more number of volumes and reference books.<br>Separate log registers and printer are available for both students and faculty. |         |            |            |            |            |            |

- b) Internet facilities for Staff & Students **YES 0.5Km Wi-Fi facility and Interdepartmental systems with printer and Internet facility available**
- c) Class rooms with ICT facility: **YES All classed are equipped with ICT facility and in addition to this separate e class room is also available**
- d) Laboratories

| SNO | Name of the lab                                  | Cost of the lab<br>Rs. |
|-----|--|------------------------|
| 1   | Electronic Devices and Circuits                  | 7.12 Lakhs             |
| 2   | Electronic Circuits Analysis                     | 5.03 Lakhs             |
| 3   | Pulse and Digital Circuits                       | 3.27 Lakhs             |
| 4   | IC Applications                                  | 4.98 Lakhs             |
| 5   | Analog Communications                            | 8.12 Lakhs             |
| 6   | Digital Signal Processing                        | 26.86 Lakhs            |
| 7   | Microprocessors and Microcontrollers             | 14.14 Lakhs            |
| 8   | Digital Signal Design & DICA                     | 2.47 Lakhs             |
| 9   | Microwave Engineering and optical Communications | 9.27 Lakhs             |
| 10  | Digital Communications                           | 4.78 Lakhs             |
| 11  | VLSI lab   | 21.92 Lakhs            |

- 31 Number of students receiving financial assistance from college, university, government or other agencies

**Financial assistance from Government**

| S. No | Academic Year | Admitted Batch         | No. of B.Tech Students | No. of M.Tech Students | Financial assistance from                    |
|-------|---------------|------------------------|------------------------|------------------------|--|
| 1     | 2011-2012     | 11 <sup>th</sup> Batch | 78                     | 8                      | Government (Under Fee Re-imbursement scheme) |
| 2     | 2012-2013     | 12 <sup>th</sup> Batch | 92                     | 24                     |  |
| 3     | 2013-2014     | 13 <sup>th</sup> Batch | 91                     | 22                     |  |
| 4     | 2014-2015     | 14 <sup>th</sup> Batch | 135                    | 25                     |  |

|   |           |                        |     |    |  |
|---|-----------|------------------------|-----|----|--|
| 5 | 2015-2016 | 15 <sup>th</sup> Batch | 102 | 16 |  |
|---|-----------|------------------------|-----|----|--|

**Financial assistance from Other Agency**

| S.No | Name             | Roll No    | YEAR | BRANCH | Scholarship Funding Agency        | Amount per year |
|------|------------------|------------|------|--------|-----------------------------------|-----------------|
| 1    | A.Rajya Lakshmi  | 15H75A0421 | III  | ECE    | North South Foundation            | 16,000          |
| 2    | Y.Jyothi         | 14H71A0480 | III  | ECE    | HPCL                              | 18,000          |
| 3    | V.Lakshmi Akhila | 14H71A04D6 | III  | ECE    | Bharathi Scheme                   | 20,000          |
| 4    | P.Gayathri       | 14H71A04D5 | III  | ECE    | Bharathi Scheme                   | 20,000          |
| 5    | P.Lavanya        | 14H71A04D9 | III  | ECE    | Kamma sangam                      | 7,000           |
| 6    | G.Vishnu         | 14H71A0456 | III  | ECE    | Bharathi Scheme                   | 20,000          |
| 7    | G.Rajya Lakshmi  | 13H71A0482 | IV   | ECE    | INSPIRE Scheme under central govt | 10,000          |
| 8    | B.Prasanna Angel | 15H75A0433 | III  | ECE    | Siddhartha Foundation             | 7,000           |

32 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The following number of students involved in different enrichment activities like:

- Working models, Projects, Internship Programs
- Technical Quiz, Paper Presentations, Poster Presentations
- Workshops, etc

Teaching methods adopted to improve student learning

- Programme coordinator and Class in-charge to monitor Class activities and schedules.
- Student counseling by faculty members **1:25** ratio.
- Seminars and Guest lectures by Academicians & Industrial Experts.
- Distribution of Course Handouts before the beginning of course works.
- Maintenance of course files by course coordinator periodically.
- Internal examinations results and University results are critically analyzed and discussed at the faculty meeting. Follow-up actions are initiated.
- Students are encouraged by faculty members to develop working models.
- Workshops and seminars are conducted for the students of 3<sup>rd</sup> & 4<sup>th</sup> years.

- Experiments beyond prescribed syllabus are included for each Laboratory class.
- Special coaching classes for GATE/competitive examinations for students by the expertise faculty members of our department and experts from outside are conducted.
- Continuously department class in charge has interaction with parents to monitor student attendance through phone and SMS
- Parent's feedback is taken on academic performance of the students and teaching and learning
- Remedial classes are being conducted to slow learners for improving their academic performance.
- Medals and awards are constituted for attendance, best projects, academic results, GATE, Sports etc.
- Feedback on classroom teaching is being taken twice in a semester.
- Feedback will be disclosed to faculty for appreciation and to improve the teaching performance.
- Department conducts staff meetings for review of academics and other related activities.

Apart from this we are following the teaching methods to improve the students learning:

- Different Lecture delivery Methods.
- Offering Finishing School Programmes courses and activities academic schedules.
- Students are allowed to interact with industry through Industrial visits for practical exposure
- Department has MOUs with reputed organizations for training to fill the gap between institute and Industry
- Offering Seminar session by students in academic schedules

### 33 Participation in Institutional Social Responsibility (ISR) and Extension activities

#### **NSS MOTTO – “NOT ME BUT YOU”**

The values that are social and moral keep a man or a nation in the forefront of development. To inculcate the moral and social values among students, MIC has a committed team of NSS volunteers.

#### **NSS Activities:**

- Adopted Perakalapadu Village and working towards its development - reconstruction of roads, drainages and awareness programs to villagers and developing MPUP School in the village.
- Blood donation camps.
- Distribution of notebooks, benches etc.,
- Extending a helping hand to old people and orphan children
- Special events like “Joy of Giving Week, Concert for a Cause, and Youth Festival”.

| Academic Year | Name of the Events                                   | No of students attended |
|---------------|--|-------------------------|
| 2012-2103     | Distribution of note books                           | 68                      |
|               | Day for Disabled                                     |                         |
|               | Quit India Day                                       |                         |
|               | NSS Foundation Day, Visit to old-age home            |                         |
| 2013-2014     | Blood Donation Camp                                  | 74                      |
|               | Fund Rising Programme For Uttarakhand Flood Victims  |                         |
|               | Free Dental Check-Up                                 |                         |
|               | Donation Of Notebooks                                |                         |
| 2014-2015     | Blood Donation Camp                                  | 74                      |
|               | Visit To Apple Foundation For Orphan Children        |                         |
|               | Fund Raising Program For Hud-Hud Flood Victims       |                         |
|               | Swatchh Bharat Mission-Campus Clean And Green        |                         |
| 2015-2016     | Blood Donation Camp                                  | 47                      |
|               | Visit to Oldage home<br>Birthday of Mother Teresa    |                         |
|               | Birth anniversary Celebrations of Dr.APJ Abdul Kalam |                         |
|               | Visit to Annamma Special School for Dumb and Deaf    |                         |

| Academic Year | Number of events organized |
|---------------|----------------------------|
| 2012-13       | 18                         |
| 2013-14       | 15                         |
| 2014-15       | 11                         |
| 2015-16       | 17                         |



## 34 SWOC analysis of the department and Future plans

**Strengths**

- NBA accredited July 2016
- Experienced and qualified faculty
- Good Team Spirit among faculty
- Good retention ratio
- Good student progression
- Committed Technical Supporting Staff
- Systematic monitoring of teaching-learning process.
- Equipped with state of art laboratories
- Dedicated R & D cell.
- ISO accredited ISO-9001-2008
- MoU with Core Companies like SCR, MIC electronics, BSNL, Microlink
- Sanctioned seminars and workshop by DST Govt of India
- Internal R&D Project completed in DST
- Good Intake of students
- Good working models and Projects
- Good number of publications
- Well connected Transport

**Weaknesses**

- Lack of Industries in surrounding areas
- No hostel facilities for boys in the campus
- Research activities and consultancy work
- Alumni activities

**Opportunities**

- Availability of adequate Journals, Lab facilities for Research
- Staff Development Programmes
- Organizing FDP

**Constraints**

- Competition from other institutions
- Lack of stable human resources
- Development of application based electronics to cater the needs of common man in field of agriculture, health, education, construction etc.

**Future Plans:**

- Upgradation of faculty qualifications.
- Placement of students would be the key plans for the future.
- 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.
- To provide more industry relationship with department by taking real-time Industry Projects.
- To conduct National/International Conference for the faculty, Research Scholars, PG Students
- To attend Industrial training programmes by the faculty
- To organize Student Development Programme in the emerging areas
- To organize faculty development programmes in the latest technologies and teaching methodologies.

## Evaluative Report

### Department of Electrical and Electronics Engineering

1. Name of the department: *Electrical & 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 (EEE)**

**PG: M.Tech (Power Electronics, Power Electronics & Electrical Drives)**

4. Names of Interdisciplinary courses and the departments/units involved

| S.No | Name of the course                          | Program | Year / semester | Department involved | Elective/ Compulsory |
|------|---|---------|-----------------|---------------------|----------------------|
| 1    | Complex Variable and statistical Methods    | B.Tech  | II/I            | Humanites           | Compulsory           |
| 2    | Thermo Hydro Prime Movers                   | B.Tech  | II/I            | ME                  | Compulsory           |
| 3    | Environmental Studies                       | B.Tech  | II/II           | Humanites           | Compulsory           |
| 4    | Managerial Economics and Financial Analysis | B.Tech  | III/I           | MBA                 | Compulsory           |
| 5    | IPR & Patents                               | B.Tech  | III/I           | MBA                 | Compulsory           |
| 6    | Management science                          | B.Tech  | III/II          | MBA                 | Compulsory           |

5. Annual/ semester/choice based credit system (programme wise)
  - i. B.Tech - Electrical and Electronics Engineering (Semester based Credit Systems and Electives in Higher Semesters )
  - ii. M.Tech - Power Electronics( Semester based Credit Systems and Electives in Higher Semesters )
  - iii. M.Tech - Power Electronics & Electrical Drives( Semester based Credit Systems and Electives in I&II Semesters )
6. Participation of the department in the courses offered by other departments

| S.No | Course                                    | Departments offered |
|------|---|---------------------|
| 1    | Basic Electrical & Electronic Engineering | Civil               |
| 2    | Basic Electrical & Electronic Engineering | ME                  |
| 3    | Electrical Technology                     | ECE                 |
| 4    | Networks & Electrical Technology Lab      | ECE                 |
| 5    | BEEE Lab                                  | ME                  |

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

| Post                 | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 05         | 02     |
| Associate Professors | 08         | 04     |
| Asst. Professors     | 23         | 30     |

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    | Dr.T.Vamsee Kiran      | Ph.D          | Professor           | Power Electronics and Drives        | 15                         | *2  |
| 2    | Dr.A.V.Naresh Babu     | Ph.D          | Professor           | Power systems                       | 14                         | *1  |
| 3    | Mr. G. Vijaya Kumar    | M.Tech (Ph.D) | Associate Professor | Control systems                     | 14                         |   |
| 4    | Mr. B.R.Narendra       | M.Tech (Ph.D) | Associate Professor | Micro Electronics & Control Systems | 12                         |   |
| 5    | Mr. A.V.Ravi Kumar     | M.Tech (Ph.D) | Associate Professor | Power Systems                       | 9                          |   |
| 6    | Mr. Panthagani Pradeep | M.Tech (Ph.D) | Associate Professor | VLSI Design                         | 6                          |   |
| 7    | Mr.M.Nageswararao      | M.Tech (Ph.D) | Assistant Professor | Digital systems& computer           | 8                          |   |

|    |                          |               |                     |                                  |     |  |
|----|--------------------------|---------------|---------------------|----------------------------------|-----|--|
| 8  | Mr.N.Rajesh Babu         | M.Tech (Ph.D) | Assistant Professor | Instrumentation &Control systems | 7   |  |
| 9  | Mr.D.Sravan Kumar        | M.Tech        | Assistant Professor | Power Electronics                | 8   |  |
| 10 | Mr. G. Vamsi Krishna     | M.Tech        | Assistant Professor | Power Electronics                | 8   |  |
| 11 | Ms. U. Sravya            | M.Tech        | Assistant Professor | Power Electronics                | 4   |  |
| 12 | Mr. M. Sunil Kumar       | M.Tech        | Assistant Professor | Power Electronics                | 6   |  |
| 13 | Mr. K. Satish Babu       | M.Tech        | Assistant Professor | Electrical Power Systems         | 5   |  |
| 14 | Mr. S. Suresh            | M.Tech        | Assistant Professor | Power Electronics                | 4   |  |
| 15 | Mr. B.Naga Seshu         | M.Tech        | Assistant Professor | Power system Engineering         | 5.5 |  |
| 16 | Mr. M. Ramesh Kumar      | M.Tech        | Assistant Professor | Power Electronics                | 6   |  |
| 17 | Mr. K.N.Swamy            | M.Tech(Ph. D) | Assistant Professor | Power Electronics                | 4   |  |
| 18 | Mr. M.Rammohan Rao       | M.Tech        | Assistant Professor | Power Electronics                | 3   |  |
| 19 | Mr. V.Sri Ram            | M.Tech        | Assistant Professor | Power system Engineering         | 4   |  |
| 20 | Mr.N.Venu Babu           | M.Tech        | Assistant Professor | Power Electronics                | 4   |  |
| 21 | Ms.N.Renuka Devi         | M.Tech        | Assistant Professor | Power Electronics                | 2   |  |
| 22 | Mr.I.Dinesh              | M.Tech        | Assistant Professor | Power Electronics                | 2   |  |
| 23 | Mr. A. Venkat Raman      | M.Tech        | Assistant Professor | Power systems-High voltage       | 2   |  |
| 24 | Mrs. P.Durga Bhavani     | M.Tech        | Assistant Professor | Power Electronics                | 2   |  |
| 25 | Mr. K.Prabhakara Rao     | M.Tech        | Assistant Professor | Power systems-High voltage       | 3   |  |
| 26 | Mr. S. Ravi Kanth        | M.Tech        | Assistant Professor | Power Systems                    | 2.5 |  |
| 27 | Mr.J. Praveen            | M.Tech        | Assistant Professor | Power Systems                    | 2   |  |
| 28 | Mr. A. Nageswara Rao     | M.Tech        | Assistant Professor | Power Systems                    | 2   |  |
| 29 | Ms. Ameerunnisa Begum    | M.Tech        | Assistant Professor | Power Systems                    | 1   |  |
| 30 | Mrs.K.Anusha             | M.Tech        | Assistant Professor | Power Electronics                | 1   |  |
| 31 | Mr. A.Bala Naga Lingaiah | M.Tech        | Assistant Professor | Power Systems                    | 1   |  |
| 32 | Mr.P.V.Aditya            | M.Tech,       | Assistant Professor | Power Systems-High voltage       | 1   |  |
| 33 | Mr. K.Sai Teja           | M.Tech,       | Assistant Professor | Power Systems Engineering        | 1   |  |

|    |                     |        |                     |                                       |          |  |
|----|---------------------|--------|---------------------|---------------------------------------|----------|--|
| 34 | Ms.K Manasa Mythri  | M.Tech | Assistant Professor | Power Systems                         | 6 months |  |
| 35 | Ms.Ponnam Dharanija | M.Tech | Assistant Professor | Power Electronics & Electrical Drives | 6 months |  |
| 36 | Ms.M.Prasanthi      | M.Tech | Assistant Professor | Power Electronics                     | 3 months |  |

\*guiding at present

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 (EEE) 15:1**  
**PG: M.Tech (PE) 12:1**  
**PG:M.Tech (PE&ED) 12:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| Post                               | Sanctioned | Filled |
|------------------------------------|------------|--------|
| Administrative Staff               | 1          | 1      |
| Academic Support Staff (Technical) | 8          | 8      |

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 (M.Tech / MA/ M.Com / M.Sc/ MBA / MCA) | No.of faculty with UG (B.Tech) |
|-----------------------------------|--------------------------|----------------------------|---|--------------------------------|
| --                                | 02                       | --                         | 34  | NIL                            |

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. a) Publication per faculty
  - b. Number of papers published in peer reviewed journals (national / international) by faculty and students

\* Number of publications listed in International Database (For Eg: Web of

Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- \* Monographs
- \* Chapter in Books
- \* Books Edited
- \* Books with ISBN/ISSN numbers with details of publishers
- \* Citation Index
- \* SNIP
- \* SJR
- \* Impact factor
- \* h-index

| S.No | Name of the Faculty    | No. of Publications | Monographs | Chapter in Books | Books Edited | Books with ISBN /ISSN numbers 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    | Dr.T.Vamsee Kiran      | 21                  | -          | -                | -            | -  | -              | -  | -                          | 12                                    | 9                               |
| 2    | Dr.A.V.Naresh Babu     | 36                  | -          | -                | -            | -  | 83             | 1.923                                      | 1                          | 9                                     | 6                               |
| 3    | Mr. G. Vijaya Kumar    | 6                   | -          | -                | -            | -  | -              | -  | -                          | 3                                     | -                               |
| 4    | Mr. B.R.Narendra       | 4                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |
| 5    | Mr. A.V.Ravi Kumar     | 1                   | -          | -                | -            | -  | -              | -  | -                          | 1                                     | -                               |
| 6    | Mr. Panthagani Pradeep | 3                   | -          | -                | -            | -  | -              | -  | -                          | 3                                     | -                               |
| 7    | Mr.M.Nageswararao      | 3                   |            |                  |              |  |                |  |                            | 1                                     |                                 |
| 8    | Mr.N.Rajesh Babu       | 4                   |            |                  |              |  |                |  |                            | 4                                     |                                 |
| 9    | Mr.D.Sravan Kumar      | 1                   |            |                  |              |  |                |  |                            | 1-                                    |                                 |
| 10   | Mr. G. Vamsi Krishna   | 6                   |            |                  |              |  |                |  |                            | 1                                     |                                 |
| 11   | Ms. U. Sravya          | 5                   |            |                  |              |  |                |  |                            | 1                                     |                                 |

|    |                          |   |  |  |  |  |  |  |  |   |  |
|----|--------------------------|---|--|--|--|--|--|--|--|---|--|
| 12 | Mr. M. Sunil Kumar       | 3 |  |  |  |  |  |  |  | 3 |  |
| 13 | Mr. K. Satish Babu       | 5 |  |  |  |  |  |  |  |   |  |
| 14 | Mr. S. Suresh            | 4 |  |  |  |  |  |  |  | 4 |  |
| 15 | Mr. B.Naga Seshu         |   |  |  |  |  |  |  |  |   |  |
| 16 | Mr. M. Ramesh Kumar      | 4 |  |  |  |  |  |  |  | 2 |  |
| 17 | Mr. K.N.Swamy            | 5 |  |  |  |  |  |  |  | 2 |  |
| 18 | Mr. M.Rammohan Rao       | 7 |  |  |  |  |  |  |  |   |  |
| 19 | Mr. V.Sri Ram            | 2 |  |  |  |  |  |  |  | 2 |  |
| 20 | Mr.N.Venu Babu           |   |  |  |  |  |  |  |  |   |  |
| 21 | Ms.N.Renuka Devi         | 3 |  |  |  |  |  |  |  | 2 |  |
| 22 | Mr.I.Dinesh              | 1 |  |  |  |  |  |  |  | 1 |  |
| 23 | Mr. A. Venkat Raman      | 1 |  |  |  |  |  |  |  | 1 |  |
| 24 | Mrs. P.Durga Bhavani     | 1 |  |  |  |  |  |  |  | 1 |  |
| 25 | Mr. K.Prabhakara Rao     | 2 |  |  |  |  |  |  |  | 2 |  |
| 26 | Mr. S. Ravi Kanth        | 4 |  |  |  |  |  |  |  | 4 |  |
| 27 | Mr.J. Praveen            | 3 |  |  |  |  |  |  |  |   |  |
| 28 | Mr. A. Nageswara Rao     |   |  |  |  |  |  |  |  |   |  |
| 39 | Ms. Ameerunnisa Begum    | 1 |  |  |  |  |  |  |  |   |  |
| 30 | Mrs.K.Anusha             | 1 |  |  |  |  |  |  |  |   |  |
| 31 | Mr. A.Bala Naga Lingaiah | 2 |  |  |  |  |  |  |  | 2 |  |
| 32 | Mr.P.V.Aditya            | 1 |  |  |  |  |  |  |  | 1 |  |
| 33 | Mr. K.Sai Teja           | 2 |  |  |  |  |  |  |  | 1 |  |
| 34 | Ms.K Manasa Mythri       | 1 |  |  |  |  |  |  |  | 1 |  |
| 35 | Ms.Ponnam Dharanija      |   |  |  |  |  |  |  |  |   |  |
| 36 | Ms.M.Prasanthi           |   |  |  |  |  |  |  |  |   |  |

20. Areas of consultancy and income generated:NIL

21. Faculty as members in



a) National committees b) International Committees c) Editorial Boards....

| S.No | Name of the Faculty | Name of the National/International Committees/Editorial Board                      |
|------|---------------------|--|
| 1.   | Dr.A.V.Naresh Babu  | International Journal of Electric Power Components and Systems (Taylor & Francis)  |
|      |                     | International Journal of Energy Conversion and Management (ELSEVIER)               |
|      |                     | Journal of Experimental and Theoretical Artificial Intelligence (Taylor & Francis) |
|      |                     | European Transactions on Electrical Power (John Wiley & Sons)                      |
|      |                     | International Journal of Electric Power Components and Systems (Taylor & Francis)  |

22. Student projects

- c) Percentage of students who have done in-house projects including inter departmental/programme: **100%**
- d) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students

**a) Awards received by the faculty**

| S.No. | Name of the faculty | Award           | Awarded by    | Year    |
|-------|---------------------|-----------------|---------------|---------|
| 1     | Dr. T. Vamsee Kiran | Best Teacher    | MIC           | 2012-13 |
| 2     | Dr. A.V.Naresh Babu | Best Researcher | MIC           | 2013-14 |
| 3     | Dr. A.V.Naresh Babu | Young Engineer  | IEI(National) | 2014-15 |

|   |                     |            |                  |         |
|---|---------------------|------------|------------------|---------|
| 4 | Dr. A.V.Naresh Babu | Best Paper | IEEE-ICAESM-2012 | 2011-12 |
| 5 | Dr. A.V.Naresh Babu | Best Paper | ETE-2014         | 2013-14 |
| 6 | Mr. M.Rammohan Rao  | Best Paper | EPES-15          | 2014-15 |

## b) Awards received by students

| Academic year 2015-16 |                     |   |                     |  |                       |
|-----------------------|---------------------|---|---------------------|--|-----------------------|
| S.No                  | Name of the Student | Date  | Program/Event       | Awarded by   | Award                 |
| 1                     | V.Shanmukha Latha   | 10 <sup>th</sup> Mar 2016                     | Poster presentation | Pottisriramulu Chaluvadi Mallikarjuna Rao College of Engineering | 1 <sup>st</sup> prize |
| 2                     | P.V.Sai Madhur      | 11 <sup>th</sup> to 12 <sup>th</sup> Mar 2016 | Project-Expo        | Bapatla Engineering Colelge                                      | 1 <sup>st</sup> prize |
| 3                     | P.V.Sai Madhur      | 4 <sup>th</sup> to 5 <sup>th</sup> Mar 2016   | Project Expo        | MVR College  | 1 <sup>st</sup> prize |
| 4                     | P.V.Sai Madhur      | 11 <sup>th</sup> to 12 <sup>th</sup> Mar 2016 | Prastuti            | Bapatla Engineering Colelge                                      | 1 <sup>st</sup> prize |
| 5                     | P.V.Sai Madhur      | 4 <sup>th</sup> to 5 <sup>th</sup> Mar 2016   | Paper Presentation  | MVR College  | 1 <sup>st</sup> prize |
| 6                     | P.V.Sai Madhur      | 26 <sup>th</sup> - 27 <sup>th</sup> Feb 2016  | Tech Trix           | Dhanekula Institute of Engineering & Technology                  | 1 <sup>st</sup> prize |
| 7                     | P.V.Sai Madhur      | 12 <sup>th</sup> Mar 2016                     | Paper Presentation  | QIS College of Engineering and                                   | 1 <sup>st</sup> prize |

|    |                 |  |                       |  |                       |
|----|-----------------|--|-----------------------|--|-----------------------|
|    |                 |  |                       | Technology   |                       |
| 8  | D.Lakshman      | 11 <sup>th</sup> to 12 <sup>th</sup><br>Mar 2016 | Project Expo          | SRK Institute<br>of<br>Technology                        | 1 <sup>st</sup> prize |
| 9  | G.Hareesh       | 11 <sup>th</sup> to 12 <sup>th</sup><br>Mar 2016 | Project Expo          | SRK Institute<br>of<br>Technology                        | 1 <sup>st</sup> prize |
| 10 | V.Edukondalu    | 11 <sup>th</sup> to 12 <sup>th</sup><br>Mar 2016 | Project Expo          | SRK Institute<br>of<br>Technology                        | 1 <sup>st</sup> prize |
| 11 | G.Gopi          | 11 <sup>th</sup> to 12 <sup>th</sup><br>Mar 2016 | Project Expo          | SRK Institute<br>of<br>Technology                        | 1 <sup>st</sup> prize |
| 12 | Raja Polavarapu | 12 <sup>th</sup> Mar 2016                        | Paper<br>Presentation | QIS College<br>of<br>Engineering<br>and<br>Technology    | 1 <sup>st</sup> prize |
| 13 | D.Vamsi Krishna | 4 <sup>th</sup> to 5 <sup>th</sup> Mar<br>2016   | Paper<br>Presentation | MVR College  | 1 <sup>st</sup> prize |
| 14 | D.Vamsi Krishna | 26 <sup>th</sup> - 27 <sup>th</sup> Feb<br>2016  | Tech Trix             | Dhanekula<br>Institute of<br>Engineering<br>& Technology | 1 <sup>st</sup> prize |
| 15 | R.Uday Kumar    | 26 <sup>th</sup> – 27 <sup>th</sup> Feb<br>2016  | Tech Trix             | Dhanekula<br>Institute of<br>Engineering<br>& Technology | 1 <sup>st</sup> prize |
| 16 | R.Uday Kumar    | 12 <sup>th</sup> Mar 2016                        | Project               | QIS College<br>of<br>Engineering<br>and<br>Technology    | 1 <sup>st</sup> prize |
| 17 | A.Venkateswari  | 4 <sup>th</sup> to 5 <sup>th</sup> Mar<br>2016   | Paper<br>Presentation | MVR College  | 2 <sup>nd</sup> Prize |
| 18 | G.P.Ajaykumar   | 19 <sup>th</sup> Sep 2015                        | Technicl Quiz         | Lakireddy  | 2 <sup>nd</sup> Prize |

|    |                 |   |                     |  |                       |
|----|-----------------|---|---------------------|--|-----------------------|
|    |                 |   |                     | Balireddy College of Engineering                                 |                       |
| 19 | K.Kavya         | 25 <sup>th</sup> & 26 <sup>th</sup> Feb 2016  | Poster presentation | KL University  | 2 <sup>nd</sup> Prize |
| 20 | P.V.Sai Madhur  | 4 <sup>th</sup> Mar 2016                      | Paper Presentation  | Amrita Sai Inst of Science and Tech                              | 2 <sup>nd</sup> Prize |
| 21 | Raja Polavarapu | 4 <sup>th</sup> Mar 2016                      | Paper Presentation  | Amrita Sai Inst of Science and Tech                              | 2 <sup>nd</sup> Prize |
| 22 | V.Mounika       | 4 <sup>th</sup> to 5 <sup>th</sup> Mar 2016   | Paper Presentation  | MVR College  | 2 <sup>nd</sup> Prize |
| 23 | V.Madhu Latha   | 25 <sup>th</sup> & 26 <sup>th</sup> Feb 2016  | Poster presentation | KL University  | 2 <sup>nd</sup> Prize |
| 24 | T.Usha Meghana  | 26 <sup>th</sup> to 27 <sup>th</sup> Feb 2016 | Paper presentation  | Dhanekula Institute of Engineering & Technology                  | 2 <sup>nd</sup> Prize |
| 25 | S.Venkatesh     | 19 <sup>th</sup> Sep 2015                     | Technical Quiz      | Lakireddy Balireddy College of Engineering                       | 2 <sup>nd</sup> Prize |
| 26 | V.N.L.Kameswari | 26 <sup>th</sup> & 27 <sup>th</sup> Feb 2016  | Paper presentation  | Dhanekula Institute of Engineering & Technology                  | 2 <sup>nd</sup> Prize |
| 27 | P.V.Sai Madhur  | 10 <sup>th</sup> Mar 2016                     | Paper Presentation  | Pottisriramulu Chaluvadi Mallikarjuna Rao College of Engineering | 2 <sup>nd</sup> Prize |
| 28 | GopiDesi Gopi   | 25 <sup>th</sup> & 26 <sup>th</sup> Feb       | Project Expo        | K L  | 2 <sup>nd</sup> Prize |

|    |                 |  |                |   |                       |
|----|-----------------|--|----------------|---|-----------------------|
|    |                 | 2016   |                | Universtiy                                |                       |
| 29 | A.Ajay Kumar    | 25 <sup>th</sup> & 26 <sup>th</sup> Feb 2016 | Project Expo   | K L Universtiy                            | 2 <sup>nd</sup> Prize |
| 30 | P.V.Sai Madhur  | 12 <sup>th</sup> Mar 2016                    | Project        | QIS College of Engineering and Technology | 3 <sup>rd</sup> Prize |
| 31 | D.Vamsi Krishna | 12 <sup>th</sup> Mar 2016                    | Project        | QIS College of Engineering and Technology | 3 <sup>rd</sup> Prize |
| 32 | R.Uday Kumar    | 12 <sup>th</sup> Mar 2016                    | Project        | QIS College of Engineering and Technology | 3 <sup>rd</sup> Prize |
| 33 | P.V.Sai Madhur  | 11 <sup>th</sup> February 2016               | Working Model  | MIC                                       | 1 <sup>st</sup> Prize |
| 34 | G.Swaroop Raj   | 12 <sup>th</sup> February 2016               | Skit           | MIC                                       | 1 <sup>st</sup> Prize |
| 35 | P.V.Sai Madhur  | 12 <sup>th</sup> February 2016               | Skit           | MIC                                       | 1 <sup>st</sup> Prize |
| 36 | P.Raja          | 12 <sup>th</sup> February 2016               | Discussion     | MIC                                       | 1 <sup>st</sup> Prize |
| 37 | P.Raja          | 12 <sup>th</sup> February 2016               | Rang O Rangoli | MIC                                       | 1 <sup>st</sup> Prize |
| 38 | D.Vamsi Krishna | 11 <sup>th</sup> February 2016               | Working Model  | MIC                                       | 1 <sup>st</sup> Prize |
| 39 | D.Vamsi Krishna | 12 <sup>th</sup> February 2016               | Skit           | MIC                                       | 1 <sup>st</sup> Prize |
| 40 | R.Uday Kumar    | 12 <sup>th</sup> February 2016               | Skit           | MIC                                       | 1 <sup>st</sup> Prize |

|    |                         |                                |                    |     |                       |
|----|-------------------------|--------------------------------|--------------------|-----|-----------------------|
| 41 | R.Uday Kumar            | 11 <sup>th</sup> February 2016 | Working Model      | MIC | 1 <sup>st</sup> Prize |
| 42 | T.Chandra Shekar        | 14 <sup>th</sup> December 2015 | Technical Quiz     | MIC | 1 <sup>st</sup> Prize |
| 43 | M.Gideon                | 12 <sup>th</sup> February 2016 | Skit               | MIC | 2 <sup>nd</sup> Prize |
| 44 | T.Chandra Shekar        | 14 <sup>th</sup> December 2015 | Just A Minute      | MIC | 2 <sup>nd</sup> Prize |
| 45 | B.Raghavulu             | 20 <sup>th</sup> February 2016 | Long Jump          | MIC | 2 <sup>nd</sup> Prize |
| 46 | G.Anantha Lakshma Reddy | 11 <sup>th</sup> February 2016 | Working Model      | MIC | 2 <sup>nd</sup> Prize |
| 47 | P.Raja                  | 11 <sup>th</sup> February 2016 | Working Model      | MIC | 2 <sup>nd</sup> Prize |
| 48 | A.Venkateswari          | 11 <sup>th</sup> February 2016 | Paper Presentation | MIC | 2 <sup>nd</sup> Prize |

**Academic Year 2014-15**

|   |                     |                           |                               |                                     |                       |
|---|---------------------|---------------------------|-------------------------------|-------------------------------------|-----------------------|
| 1 | P. Anitha           | 28 <sup>th</sup> Feb 2015 | Paper Presentation            | Amrita Sai Inst of Science and Tech | 1 <sup>st</sup> prize |
| 2 | B.Durga Mallesh     | 19 <sup>th</sup> Feb 2015 | Working Model                 | MIC                                 | 1 <sup>st</sup> Prize |
| 3 | G.P.G.Sudharsan Rao | 19 <sup>th</sup> Feb 2015 | Working Model                 | MIC                                 | 1 <sup>st</sup> Prize |
| 4 | V.Anand Kumar       | 19 <sup>th</sup> Feb 2015 | Working Model                 | MIC                                 | 1 <sup>st</sup> Prize |
| 5 | G.P.Sudarsan Rao    | 19 <sup>th</sup> Feb 2015 | Working Model                 | MIC                                 | 1 <sup>st</sup> Prize |
| 6 | A.Vidya Sagar       | 20 <sup>th</sup> Feb 2015 | Project Work (Swatch Bharath) | MIC                                 | 1 <sup>st</sup> Prize |
| 7 | B.Durga Mallesh     | 20 <sup>th</sup> Feb 2015 | Working Model                 | MIC                                 | 1 <sup>st</sup> Prize |

|    |                  |                           |               |     |                       |
|----|------------------|---------------------------|---------------|-----|-----------------------|
| 8  | P.Murali Krishna | 20 <sup>th</sup> Feb 2015 | Kho-Kho       | MIC | 1 <sup>st</sup> Prize |
| 9  | B.Dheeraj Babu   | 20 <sup>th</sup> Feb 2015 | Kabaddi       | MIC | 1 <sup>st</sup> Prize |
| 10 | Prabhu Kiran     | 19 <sup>th</sup> Feb 2015 | Working Model | MIC | 2 <sup>nd</sup> Prize |
| 11 | J.Sandeep        | 19 <sup>th</sup> Feb 2015 | Working Model | MIC | 2 <sup>nd</sup> Prize |
| 12 | G.P.Sudarsan Rao | 20 <sup>th</sup> Feb 2015 | Skit          | MIC | 2 <sup>nd</sup> Prize |
| 13 | Ch.Sindhura      | 20 <sup>th</sup> Feb 2015 | TenniKoit     | MIC | 3 <sup>rd</sup> Prize |

**Academic year 2013-14**

|   |                      |                           |                          |  |                       |
|---|----------------------|---------------------------|--------------------------|--|-----------------------|
| 1 | Akash Saha           | 29 <sup>th</sup> Sep 2013 | Paper Presentation       | National Technical Paper Presentation Contest Conducted By NIT, Nagpur | 1 <sup>st</sup> Prize |
| 2 | L. Naveen Chander    | 29 <sup>th</sup> Sep 2013 | Paper Presentation       | National Technical Paper Presentation Contest Conducted By NIT, Nagpur | 1 <sup>st</sup> Prize |
| 3 | Ch.Krishna Kanth     | 20 <sup>th</sup> Mar 2014 | Paper Presentation       | MIC  | 1 <sup>st</sup> Prize |
| 4 | K.Sarath Chandra     | 20 <sup>th</sup> Mar 2014 | Working Model            | MIC  | 1 <sup>st</sup> Prize |
| 5 | T.Bala Vamsi Krishna | 20 <sup>th</sup> Mar 2014 | Working Model            | MIC  | 1 <sup>st</sup> Prize |
| 6 | A.Vidya Sagar        | 21 <sup>st</sup> Mar 2014 | Poetry Writing in Telugu | MIC  | 1 <sup>st</sup> Prize |
| 7 | N.Narasaiha          | 21 <sup>st</sup> Mar 2014 | Kabaddi                  | MIC  | 1 <sup>st</sup> Prize |

|                              |                  |                           |                |     |                       |
|------------------------------|------------------|---------------------------|----------------|-----|-----------------------|
| 8                            | T.Siva Ram       | 21 <sup>st</sup> Mar 2014 | Kabaddi        | MIC | 1 <sup>st</sup> Prize |
| 9                            | Akash Saha       | 20 <sup>th</sup> Mar 2014 | Working Model  | MIC | 2 <sup>nd</sup> Prize |
| 10                           | G.Pujitha        | 20 <sup>th</sup> Mar 2014 | Working Model  | MIC | 2 <sup>nd</sup> Prize |
| 11                           | P.Vinay Kumar    | 20 <sup>th</sup> Mar 2014 | Working Model  | MIC | 2 <sup>nd</sup> Prize |
| 12                           | L.Naveen Chandra | 20 <sup>th</sup> Mar 2014 | Working Model  | MIC | 2 <sup>nd</sup> Prize |
| 13                           | N.Narasaiha      | 21 <sup>st</sup> Mar 2014 | Kho-Kho        | MIC | 2 <sup>nd</sup> Prize |
| 14                           | N.Narasaiha      | 21 <sup>st</sup> Mar 2014 | 800mts running | MIC | 2 <sup>nd</sup> Prize |
| 15                           | N.Narasaiha      | 21 <sup>st</sup> Mar 2014 | 4x100 Relay    | MIC | 2 <sup>nd</sup> Prize |
| <b>Academic year 2012-13</b> |                  |                           |                |     |                       |
| 16                           | N.Narasaiha      | 9 <sup>th</sup> Mar 2013  | 4x100 relay    | MIC | 1 <sup>st</sup> Prize |
| 17                           | N.Narasaiha      | 9 <sup>th</sup> Mar 2013  | 800mts running | MIC | 2 <sup>nd</sup> Prize |
| 18                           | T.Siva kumar     | 9 <sup>th</sup> Mar 2013  | Discus-Throw   | MIC | 2 <sup>nd</sup> Prize |

24. List of eminent academicians and scientists / visitors to the department

| S.No. | Details of eminent personalities                  | Purpose of visit | Date of visit                  |
|-------|---|------------------|--------------------------------|
| 1     | Mr. B.Raju ADE<br>KTPS, TS<br>GENCO               | Seminar          | 15 <sup>th</sup> July-<br>2016 |
| 2     | Mr.Ch.Sriprakash<br>SE, Dr NTPS,<br>AGENCO        | Seminar          | 15 <sup>th</sup> Sep-<br>2016  |
| 3     | Mr.J.Venkateswara<br>Rao,ADE,<br>APTRANSCO        | Seminar          | 27 <sup>th</sup> July-2015     |
| 4     | Mr.D.Koteswara<br>Raju, Research<br>Scholar, NIT- | Seminar          | 3 <sup>rd</sup> Aug-2015       |



|    |  |               |   |
|----|--|---------------|---|
|    | Nagpur   |               |   |
| 5  | Dr. P.Sankar,<br>PhD(NIT-T)                              | workshop      | 13 <sup>th</sup> &14 <sup>th</sup><br>Aug-2015  |
| 6  | Mr.Bhuvnesh &<br>Mr.Rajasekaram,<br>National Instruments | FDP           | 26 <sup>th</sup> -28 <sup>th</sup> Nov-<br>2015 |
| 7  | Dr.K.R.Madhu<br>Kumar, DE,<br>APGENCO                    | seminar       | 14 <sup>th</sup> Dec-2015                       |
| 8  | Mr.S.Charan Teja<br>Research Scholar<br>IIT Hyd          | seminar       | 14 <sup>th</sup> August-<br>2014                |
| 9  | Mr.Ch.Sriprakash,<br>SE Dr.NTTS                          | seminar       | 15 <sup>th</sup> Sept-2014                      |
| 10 | Mr.D.Kiran<br>Kumar, ADE<br>APGENCO                      | seminar       | 13 <sup>th</sup> Dec-<br>2014                   |
| 11 | Mr.T.V.V.Sivarama<br>kumar ADE<br>Dr.NTTPS               | Guest Lecture | 20 <sup>th</sup> March-<br>2015                 |
| 12 | Dr.V.Pandu<br>Rangarao Asst. Prof<br>IITBhu,             | FDP           | 25 <sup>th</sup> -30 <sup>th</sup> May-<br>2015 |
| 13 | Dr.R.Satish Babu<br>Asst.Prof NITW,                      | FDP           | 25 <sup>th</sup> -30 <sup>th</sup><br>May-2015  |
| 14 | Mr.P.D.Srinivas,<br>AE Dr.NTTPS                          | Seminar       | 14 <sup>th</sup> Sept-<br>2013                  |
| 15 | Mr.J.Venkateswara<br>rao, ADE<br>APTRANSCO               | Seminar       | 14 <sup>th</sup> Dec-<br>2013                   |
| 16 | Mr.B.Uday ADE<br>APGENCO                                 | Guest Lecture | 1 <sup>st</sup> March-<br>2014                  |

|    |                                      |               |  |
|----|--------------------------------------|---------------|--|
| 17 | Mr.Ch.Sriprakash<br>SE APGENCO       | FDP           | 2 <sup>nd</sup> -5 <sup>th</sup> June-<br>2014 |
| 18 | Mr.B.Ramakrishna<br>ADE<br>APTRANSCO | Seminar       | 14 <sup>th</sup> Dec-2012                      |
| 19 | Mr.A.Nagaraju ADE<br>APGENCO         | Guest Lecture | 20 <sup>th</sup> March-<br>2013                |

## 25.Seminars/ Conferences/Workshops organized &amp; the source of funding

## a) National

| S.No | Academ<br>ic Year | Worksho<br>p/<br>Seminar/<br>Guest<br>lecture | Topic   | Resource person  | Date(s)<br>of event               | Source<br>of<br>Funding |
|------|-------------------|---|---|--|-----------------------------------|-------------------------|
| 1    | 2016-17           | Seminar                                       | A Seminar on<br>“Circuit Breaker<br>Design , Operation<br>& Maintenance”            | Mr. B.Raju ADE KTPS,<br>TS GENCO                         | 15 <sup>th</sup><br>July-<br>2016 | MIC                     |
| 2    | 2016-17           | Seminar                                       | A Seminar on<br>“Spectrum of<br>Switchgear &<br>protection”                         | Mr.Ch.Sriprakash<br>SE,<br>Dr NTPS,AGENCO                | 15 <sup>th</sup><br>Sep-<br>2016  | MIC                     |
| 3    | 2016-17           | Guest<br>lecture                              | Lecture on Michael<br>Faraday   | Dr. Y.Sudheer Babu<br>Principal,MICT                     | 22 <sup>nd</sup><br>Sep-<br>2016  | MIC                     |
| 4    | 2015-16           | Seminar                                       | A Seminar on<br>“Recent Trends in<br>Maintenance of<br>Substations by<br>APTRANSCO” | Mr.J.Venkateswara<br>Rao, ADE,<br>APTRANSCO              | 27 <sup>th</sup><br>July-<br>2015 | MIC                     |
| 5    | 2015-16           | Seminar                                       | A Seminar on<br>“Mitigation of Sub<br>synchronous<br>resonance in thermal           | Mr.D.Koteswara Raju,<br>Research Scholar, NIT-<br>Nagpur | 3 <sup>rd</sup> Aug-<br>2015      | MIC                     |

|    |         |               |  |  |   |     |
|----|---------|---------------|--|--|---|-----|
|    |         |               | power plants using FACTS Devices”  |  |   |     |
| 6  | 2015-16 | workshop      | A Two day National workshop on “Computer Aided Analysis of Power Converters” | Dr. P.Sankar, PhD(NIT-T), Vishnu Inst. Of Technology, Bhimavaram | 13 <sup>th</sup> &14 <sup>th</sup> Aug-2015 | MIC |
| 7  | 2015-16 | FDP           | FDP on “Role of Lab View in Developing Engineering Solutions”                | Mr.Bhuvnesh & Mr.Rajasekaram, National Instruments               | 26 <sup>th</sup> -28 <sup>th</sup> Nov-2015 | MIC |
| 8  | 2015-16 | Seminar       | Energy Conservation Day [IEI]  | Dr.K.R.Madhu Kumar, DE, APGENCO                                  | 14 <sup>th</sup> Dec-2015                   | MIC |
| 9  | 2014-15 | workshop      | A one Day workshop on MATLAB/SIMULINK  | Dr.T.Vamsee Kiran Prof&HOD<br>Dr.A.V.Nraresh Babu Prof.          | 18 <sup>th</sup> July-2014                  | MIC |
| 10 | 2014-15 | seminar       | A seminar on Role of Smart Grids in Smart Cities                             | Mr.S.Charan Teja Research Scholar IIT Hyd                        | 14 <sup>th</sup> August-2014                | MIC |
| 11 | 2014-15 | seminar       | A seminar on Role of the Electrical Engineer in Industry(Engineers Day)      | Mr.Ch.Sriprakash, SE Dr.NTTS                                     | 15 <sup>th</sup> Sept-2014                  | MIC |
| 12 | 2014-15 | workshop      | A Two Day workshop on Power Electronic Converters                            | Dr.T.Vamsee Kiran Prof&HOD<br>Dr.A.V.Nraresh Babu Prof.          | 7 <sup>th</sup> -8 <sup>th</sup> Nov-2014   | MIC |
| 13 | 2014-15 | seminar       | A seminar on Energy Conservation   | Mr.D.Kiran Kumar, ADE APGENCO                                    | 13 <sup>th</sup> Dec-2014                   | MIC |
| 14 | 2014-15 | Guest Lecture | Guest Lecture on Coal Fired Steam  | Mr.T.V.V.Sivarama kumar ADE Dr.NTTPS                             | 20 <sup>th</sup> March-                     | MIC |

|    |         |               |  |  |  |     |
|----|---------|---------------|--|--|--|-----|
|    |         |               | Power Generation   |  | 2015   |     |
| 15 | 2014-15 | FDP           | FDP on Optimization Techniques                                     | Dr.V.Pandu Rangarao<br>Asst. Prof IITBhu,<br>Dr.R.Satish Babu<br>Asst.Prof NITW,<br>Dr.T.Vamsee Kiran<br>Prof&HOD<br>Dr.A.V.Nraresh Babu<br>Prof., Mr.M<br>Srinivasarao Research<br>Scholar NITW | 25 <sup>th</sup> -<br>30 <sup>th</sup><br>May-<br>2015 | MIC |
| 16 | 2013-14 | workshop      | A one Day workshop on AC&DC Machine Modeling using MATLAB/SIMULINK | Dr.T.Vamsee Kiran<br>Prof&HOD Department of EEE  | 2 <sup>nd</sup> Aug-2013                               | MIC |
| 17 | 2013-14 | seminar       | A seminar on Power Scenario in India                               | Mr.P.D.Srinivas, AE<br>Dr.NTTPS  | 14 <sup>th</sup> Sept-2013                             | MIC |
| 18 | 2013-14 | workshop      | A Two Day workshop on Artificial Intelligence Techniques           | Dr.T.Vamsee Kiran<br>Prof&HOD<br>Dr.A.V.Nraresh Babu<br>Prof.  | 8 <sup>th</sup> -9 <sup>th</sup><br>Nov-2013           | MIC |
| 19 | 2013-14 | seminar       | A seminar on Energy Conservation                                   | Mr.J.Venkateswara rao,<br>ADE APTRANSCO  | 14 <sup>th</sup> Dec-2013                              | MIC |
| 20 | 2013-14 | Guest Lecture | Guest Lecture on Digital Distributed Control Systems               | Mr.B.Uday ADE<br>APGENCO   | 1 <sup>st</sup> March-2014                             | MIC |
| 21 | 2013-14 | FDP           | FDP on Modeling & Simulation of Power Systems                      | Dr.J.Amarnath<br>Dr.V.Purna Chandra rao<br>, Dr.A. Srinivasa Reddy<br>, Mr.Ch.Sriprakash SE  | 2 <sup>nd</sup> -5 <sup>th</sup><br>June-2014          | MIC |

|    |         |               |   |   |   |     |
|----|---------|---------------|---|---|---|-----|
|    |         |               |   | APGENCO   |   |     |
| 22 | 2012-13 | seminar       | A seminar on Opportunities for EEE students                       | The GATE Academy  | 15 <sup>th</sup> Sept-2012                  | MIC |
| 23 | 2012-13 | seminar       | A seminar on Energy Conservation Schemes in Lighting & Industries | Mr.B.Ramakrishna ADE APTRANSCO                          | 14 <sup>th</sup> Dec-2012                   | MIC |
| 24 | 2012-13 | Guest Lecture | Guest Lecture on Excitation Systems in Power Generation Plants    | Mr.A.Nagaraju ADE APGENCO                               | 20 <sup>th</sup> March-2013                 | MIC |
| 25 | 2012-13 | FDP           | FDP on Recent Trends in Electrical Engineering                    | Dr.T.Vamsee Kiran Prof&HOD<br>Dr.A.V.Nraresh Babu Prof. | 27 <sup>th</sup> -31 <sup>st</sup> May-2013 | MIC |

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 |        |
| 2009-13 | B.Tech (EEE)                 | **                    | 64   | 48       | 16     | 87.50  |
| 2010-14 |                              | **                    | 72   | 49       | 23     | 88.73  |
| 2011-15 |                              | **                    | 141  | 96       | 45     | 70.21  |
| 2012-16 |                              | **                    | 143  | 94       | 49     | 70.5   |
| 2011-13 | M.Tech (PE,PEED)             | **                    | 18   | 15       | 3      | 77.77  |
| 2012-14 |                              | **                    | 31   | 23       | 8      | 77.41  |
| 2013-15 |                              | **                    | 30   | 20       | 10     | 60.00  |
| 2014-16 |                              | **                    | 27   | 14       | 13     | ***    |

\*M = Male \*F = Female

\*\* Admitted through EAMCET and PGECET

\*\*\* Results to be announced

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| UG(B.Tech)         | 100                               | 0                               | 0                         |
| PG(M.Tech)         | 100                               | 0                               | 0                         |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

| S.No | Academic Year | Name of the Competitive Exam | No. of Students Cleared |
|------|---------------|------------------------------|-------------------------|
| 1    | 2015-16       | APPGECET                     | 3                       |
|      |               | GATE                         | 2                       |
|      |               | IELTS                        | 1                       |
| 2    | 2014-15       | APPGECET                     | 4                       |
|      |               | GATE                         | 2                       |
|      |               | IELTS                        | 1                       |
|      |               | GRE                          | 2                       |
|      |               | MAT                          | 2                       |
| 3    | 2013-14       | IELTS                        | 1                       |
|      |               | GRE                          | 1                       |
|      |               | VITSAT                       | 1                       |
| 4    | 2012-13       | APPGECET                     | 1                       |
|      |               | GATE                         | 2                       |
|      |               | MAT                          | 1                       |
|      |               | GRE                          | 3                       |

29. Student progression

| <b>Student progression</b>  | <b>Against % enrolled</b> |
|---|---------------------------|
| UG to PG  | 10                        |
| PG to M.Phil.   | NA                        |
| PG to Ph.D.   | NA                        |
| Ph.D. to Post-Doctoral  | NA                        |
| <b>Employed</b> <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul> | 40-50                     |
| Entrepreneurship/Self-employment  |                           |

| <b>S.No.</b> | <b>Academic Year</b> | <b>Total Strength</b> | <b>No. of students selected</b> |
|--------------|----------------------|-----------------------|---------------------------------|
| 1            | 2015-16              | 143                   | 58                              |
| 2            | 2014-15              | 141                   | 51                              |
| 3            | 2013-14              | 72                    | 38                              |
| 4            | 2012-13              | 64                    | 38                              |

### 30. Details of Infrastructural facilities

#### e) Library

**Plinth Area 36 sqmt**

| <b>Department</b> | <b>Electrical&amp; Electronics Engineering</b> |
|-------------------|--|
| No. of books      | 384  |
| No. of volumes    | 28   |

#### f) Internet facilities for Staff & Students

- Wi-fi facility is available in the faculty rooms.
- Internet facility is available in Research lab.

#### g) Class rooms with ICT facility

| <b>S.No</b> | <b>Purpose</b> | <b>No. of rooms available</b> | <b>Facilities available</b> |
|-------------|----------------|-------------------------------|-----------------------------|
|-------------|----------------|-------------------------------|-----------------------------|

|   |                |    |   |
|---|----------------|----|---|
| 1 | Lecture Halls  | 10 | Green Board, Podium, Benches, adequate number of fans and lights in each room |
| 2 | Tutorial rooms | 4  | Green Board, Teachers Podium, Benches, adequate number of                     |
| 3 | Seminar Halls  | 1  | Podium, Chairs, LCD Projector, audio system and centralized                   |

## h) Laboratories

| Curriculum Lab Description        | Exclusive use/Shared | Area sq.m | Capacity | Number of experiments | Quality of instruments | Lab manuals |
|-----------------------------------|----------------------|-----------|----------|-----------------------|------------------------|-------------|
| Electrical Machines Lab           | Exclusive Use        | 209.03    | 36       | 12                    | GOOD                   | Available   |
| Electrical Technology Lab         | Shared               | 146.28    | 36       | 10                    | GOOD                   | Available   |
| Electrical Measurements Lab       | Exclusive Use        | 114       | 36       | 12                    | GOOD                   | Available   |
| Electrical Circuits Lab           | Exclusive Use        | 114       | 36       | 12                    | GOOD                   | Available   |
| Electronic Devices & Circuits Lab | Exclusive Use        | 114       | 36       | 12                    | GOOD                   | Available   |
| Power Electronics Lab             | Exclusive Use        | 114       | 36       | 13                    | GOOD                   | Available   |
| Control Systems Lab               | Exclusive Use        | 114       | 36       | 12                    | GOOD                   | Available   |
| Power Converters &                | Exclusive Use        | 76        | 32       | 10                    | GOOD                   | Available   |
| Electrical Simulation Lab         | Exclusive Use        | 136       | 60       | 12                    | GOOD                   | Available   |
| Microprocessor & Micro            | Exclusive Use        | 136       | 60       | 14                    | GOOD                   | Available   |
| Power Systems Lab                 | Exclusive Use        | 76        | 36       | 10                    | GOOD                   | Available   |

## 31. Number of students receiving financial assistance from college, university, government or other agencies

| S.No. | Academic Year | No. of Students | Financial assistance from college, university, government or other agencies |
|-------|---------------|-----------------|---|
| 1     | 2015-16       | 97              | Government  |
| 2     | 2014-15       | 111             | Government  |
| 3     | 2013-14       | 124             | Government  |



|   |         |     |            |
|---|---------|-----|------------|
| 4 | 2012-13 | 106 | Government |
|---|---------|-----|------------|

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts**

| S.No | Academic Year | Name of the Event  | Resource person  | Date(s) of event                            |
|------|---------------|--|--|---|
| 1    | 2016-17       | A Seminar on “Circuit Breaker Design , Operation & Maintenance”                                    | Mr. B.Raju, ADE KTPS, TSGENCO                                    | 15 <sup>th</sup> July- 2016                 |
| 2    | 2016-17       | A Seminar on “Spectrum of Switchgear & protection”   | Mr.Ch.Sriprakash SE, Dr.NTTSP, AGENCO                            | 15 <sup>th</sup> Sep- 2016                  |
| 3    | 2016-17       | Lecture on Michael Faraday   | Dr. Y.Sudheer Babu Principal, MICT                               | 22 <sup>nd</sup> Sep- 2016                  |
| 4    | 2015-16       | A Seminar on “Recent Trends in Maintenance of Substations by APTRANSCO”                            | Mr.J.Venkateswara Rao, ADE, APTRANSCO                            | 27 <sup>th</sup> July- 2015                 |
| 5    | 2015-16       | A Seminar on “Mitigation of Sub synchronous resonance in thermal power plants using FACTS Devices” | Mr.D.Koteswara Raju, Research Scholar, NIT-Nagpur                | 3 <sup>rd</sup> Aug-2015                    |
| 6    | 2015-16       | A Two day National workshop on “Computer Aided Analysis of Power Converters”                       | Dr. P.Sankar, PhD(NIT-T), Vishnu Inst. Of Technology, Bhimavaram | 13 <sup>th</sup> &14 <sup>th</sup> Aug-2015 |
| 7    | 2015-16       | Energy Conservation Day [IEI]  | Dr.K.R.Madhu Kumar, DE, APGENCO                                  | 14 <sup>th</sup> Dec- 2015                  |
| 8    | 2014-15       | A seminar on Role of Smart Grids in Smart Cities   | Mr.S.Charan Teja Research Scholar IIT, Hyderabad                 | 14 <sup>th</sup> August- 2014               |

|    |         |  |  |                             |
|----|---------|--|--|-----------------------------|
| 9  | 2014-15 | A seminar on Role of the Electrical Engineer in Industry (Engineers Day) | Mr.Ch.Sriprakash, SE, Dr.NTTSPS, APGENCO         | 15 <sup>th</sup> Sept-2014  |
| 10 | 2014-15 | A seminar on Energy Conservation   | Mr.D.Kiran Kumar, ADE, APGENCO                   | 13 <sup>th</sup> Dec-2014   |
| 11 | 2014-15 | Guest Lecture on Coal Fired Steam Power Generation                       | Mr.T.V.V.Sivarama Kumar, ADE, Dr.NTTSPS, APGENCO | 20 <sup>th</sup> March-2015 |
| 12 | 2013-14 | A seminar on Power Scenario in India                                     | Mr.P.D.Srinivas, AE, Dr.NTTSPS, APGENCO          | 14 <sup>th</sup> Sept-2013  |
| 13 | 2013-14 | A seminar on Energy Conservation   | Mr.J.Venkateswara Rao, ADE APTRANSCO             | 14 <sup>th</sup> Dec-2013   |
| 14 | 2013-14 | Guest Lecture on Digital Distributed Control Systems                     | Mr.B.Uday, ADE APGENCO                           | 1 <sup>st</sup> March-2014  |
| 15 | 2012-13 | A seminar on Opportunities for EEE students                              | The GATE Academy                                 | 15 <sup>th</sup> Sept-2012  |
| 16 | 2012-13 | A seminar on Energy Conservation Schemes in Lighting & Industries        | Mr.B.Ramakrishna ADE, APTRANSCO                  | 14 <sup>th</sup> Dec-2012   |
| 17 | 2012-13 | Guest Lecture on Excitation Systems in Power Generation Plants           | Mr.A.Nagaraju ADE APGENCO                        | 20 <sup>th</sup> March-2013 |

### 33. Teaching methods adopted to improve student learning

- Effective student counseling.
- Class Monitoring Committees.
- Guest lectures by Academicians & Industrial Experts.
- Interaction with Alumni.
- Distribution of Course Handouts.
- Maintenance of course files.
- University results are critically analyzed and discussed at the faculty meeting. Follow-up actions are initiated.

- Add-on courses are conducted for the students of 3<sup>rd</sup> & 4<sup>th</sup> years.
- Experiments beyond prescribed syllabus are included for each Laboratory class.
- Special coaching classes for GATE/competitive examinations for students by the expertise faculty members of our department are conducted.
- Parents feedback is taken on academic performance of the students and Teaching and learning in parents meeting which will be conducted once in every academic year for improving the student performance.
- Remedial classes are being conducted to slow learners for improving their academic performance.
- Medals and awards are constituted for attendance, best projects, academic results, GATE, Sports etc.
- Feedback on classroom teaching is being taken twice in a semester.
- Department conducts staff meetings for review of academics and other related works.

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The students are involved as a volunteers in the NSS Activities. List of NSS Activities Academic year wise are as follows

| Academic Year 2012-13 |   |                 |  |
|-----------------------|---|-----------------|--|
| S.No.                 | Title of the event                                    | Date            | Place                                      |
| 1.                    | 5 km Rally on “Importance of Blood Donation”          | 26-06-2012      | Kanchikacherla                             |
| 2.                    | Blood Donation camp                                   | 27-06-2012      | College seminar hall                       |
| 3.                    | Distribution of note books                            | 12-07-2012      | Perakalapadu                               |
| 4.                    | Day for Disabled                                      | 18-07-2012      | College seminar hall                       |
| 5.                    | Quit India Day  | 08 & 09-08-2012 | College seminar hall                       |
| 6.                    | NSS Foundation Day, Visit to oldage home              | 24-09-2012      | Devineni Venkata Ramana Ghat, Perakalapadu |
| 7.                    | Blood Grouping for all the students                   | 14-11-2012      | College seminar hall                       |
| 8.                    | Joy of giving week- help to jyothiswar with 5 km walk | 12-12-2014      | Nandigama                                  |

|     |   |                    |                      |
|-----|---|--------------------|----------------------|
| 9.  | Distribution of basic needs to children                 | 2-1-2013           | Perakalapadu         |
| 10. | Youth festival  | 10, 11, 12-01-2013 | College seminar hall |
| 11. | Blood Donation camp                                     | 10-01-2013         | College seminar hall |
| 12. | Inauguration of Special camp and Micro Survey           | 11-02-2013         | Perakalapadu         |
| 13. | Free Eye Check up Camp                                  | 12-02-2013         |                      |
| 14. | Clean& Hygiene - Awareness Rally on Plastic Usage       | 13-02-2013         |                      |
| 15. | Health Check up Camp for Children                       | 15-02-2013         |                      |
| 16. | Literacy Programme for Middle Age People in the Village | 16-02-2013         |                      |
| 17. | BP, Sugar, & Heart Check up Camp                        | 17-02-2013         |                      |
| 18. | Village Greenery & Valedictory                          | 18-02-2013         |                      |

| Academic Year 2013-14 |   |                         |                              |
|-----------------------|---|-------------------------|------------------------------|
| S.No.                 | Title of the event  | Date                    | Place                        |
| 1.                    | Visit To Annamma School For Hearing And Physically Challenged, Kondapalli, Vijayawada | 21-06-2013              | Kondapalli                   |
| 2.                    | Blood Donation Camp   | 09-07-2013              | College seminar hall         |
| 3.                    | Fund Rising Programme For Uttarakhand Flood Victims                                   | 15-17 JULY 2013         | College campus               |
| 4.                    | 5km Walk  | 20-07-2013              | Jaggiahpet, Krishna District |
| 5.                    | Joy Of Giving Week<br>- Visit To Apple Orphanage<br>- Help To Sri Netra               | 02 - 08<br>OCTOBER 2013 | Gunadala, Vijayawada         |
| 6.                    | Free Dental Check-Up  | 14-11-2013              | College seminar hall         |
| 7.                    | Donation Of Notebooks   | 29-01-2014              | MPUP School                  |

|     |   |             |                             |
|-----|---|-------------|-----------------------------|
|     |   |             | Perakalapadu                |
| 8.  | Visit To Mother's Home  | 14-02-2014  | Bhavanipuram,<br>Vijayawada |
| 9.  | Free eye check up camp and literacy programme   | 12-02-2014  | Perakalapadu                |
| 10. | Tree Plantation   | 13-02-2014  |                             |
| 11. | Legal awareness camp & awareness on RTI act   | 14-02-2014  |                             |
| 12. | Health checkup for school children  | 15-02-2014: |                             |
| 13. | Literary, sports activities for school children   | 16-02-2014  |                             |
| 14. | General medical camp.   | 17-02-2014  |                             |
| 15. | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014  |                             |

| Academic Year 2014-15 |                        |            |   |
|-----------------------|------------------------|------------|---|
| S.no.                 | Title of the event     | Date       | Place   |
| 1.                    | Blood Grouping         | 14-06-2014 | College seminar hall                              |
| 2.                    | Donation Of Note Books | 05-07-2014 | Telugu And Urdhu Primary Schools At Pendyala      |
| 3.                    | Donation Of Note Books | 08-07-2014 | Telugu And Urdhu Primary Schools At Pendyala Main |
| 4.                    | Blood Donation Camp    | 14-07-2014 | College Seminar hall                              |

|     |   |                          |  |
|-----|---|--------------------------|--|
| 5.  | Visit To Apple Foundation For Orphan Children                       | 19-09-2015               | Gunadala, Vijayawada                       |
| 6.  | Fund Raising Program For Hud-Hud Flood Victims                      | 21-10-2014 to 23-10-2014 | College campus                             |
| 7.  | Swatchh Bharat Mission-Campus Clean And Green                       | 28-11-2014               | College campus                             |
| 8.  | Visit To Oldage Home & Swachh Bharat At Oldage Home                 | 05-12-2014               | Devineni Venkata Ramana Ghat, Perakalapadu |
| 9.  | Donation Ro Water Purifier Plant And Distribution Of Note Books     | 12-12-2014               | MPUP School Perakalapadu                   |
| 10. | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup) | 20-03-2015               | College Seminar hall                       |
| 11. | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)       | 05-04-2015               | Siddhartha Academy Auditorium, Vijayawada  |

### 35. SWOC analysis of the department and Future plans

#### Strengths:

- Qualified, experienced and committed Faculty
- Research work by the Faculty
- Infrastructural Facilities
- Digital library with video lectures
- Regular industrial visits
- Finishing school program classes
- Using licensed software like MATLAB, MULTISIM
- Faculty retention in the department
- Student & Faculty are members in professional societies
- Involvement of students in NSS activities
- Organizing department association events on a regular basis

#### Weaknesses:

- GATE qualified students number is less
- On-campus placements in core companies have to be improved
- Require more number of MOUs with core companies for bridging the industry – institute gap

- Funding projects and seminar grants are to be improved in the department

**Opportunities for strengthening the department:**

- Funding projects, seminar grants and FDPs can now be improved as the program is accredited by NBA.
- Labs can be strengthened through MODROBS
- Journal access to the faculty will improve their research publications in SCI journals.
- MOUs with industries increase the job opportunities to the students and make the faculty updated with the recent technology

**Opportunities for Students:**

- GATE qualified students are eligible for PSUs
- Students can do their MS abroad if they get good scores in GRE, TOEFL, IELTS
- Opportunities in core companies, IT sector
- Recruitment in A.P electricity board, Railways, UPSC, APPSC
- Opportunities in prestigious projects like metro rail, capital city construction of A.P

**Challenges:**

- Poor quality of intake.
- Competition from other institutions

**Future Plans**

- To improve the faculty research publications.
- To receive funded projects from DST/SERB/AICTE/MHRD, etc.
- Upgradation of faculty qualifications
- To conduct National/International Conference
- To improve MOUs with National/International, academic/research organizations

## Evaluative Report

### Department of Mechanical Engineering

1. Name of the department : **Mechanical Engineering**
2. Year of Establishment : **2004**
3. Names of Programmes /Courses offered : **UG : B.TECH (Mechanical Engg.)**  
**PG : M.TECH (Machine Design)**
4. Names of Interdisciplinary courses and the departments/units involved

| S.No | Course   | Year/Semester | Department Involved                  |
|------|--|---------------|--------------------------------------|
| 1    | Basic Electrical & Electronics Engineering     | II/I          | Electrical & Electronics Engineering |
| 2    | Basic Electrical & Electronics Engineering Lab | II/I          | Electrical & Electronics Engineering |
| 3    | English Communication skills practice Lab      | IV/I          | Science & Humanities                 |
| 4    | Interactive Computer Graphics                  | IV/II         | MCA                                  |

5. Annual/ semester/choice based credit system (programme wise)
  - **UG: B. Tech - Mechanical Engineering Semester based Credit System and Electives in Higher Semesters**
  - **PG: M. Tech - Mechanical Engineering (Machine Design) Semester based Credit System and Electives in all Semesters**
6. Participation of the department in the courses offered by other departments

| S.No | Course                                    | Year/Semester | Departments Offered |
|------|---|---------------|---------------------|
| 1    | Engineering Drawing                       | I/I           | EEE, ECE, CE, CSE   |
| 2    | Engineering Mechanics                     | I/I , I/II    | CE, CSE, EEE, ECE   |
| 3    | Fluid Mechanics & Hydraulic Machinery     | II/I          | EEE                 |
| 4    | Fluid Mechanics                           | II/I          | CE                  |
| 5    | Hydro & Thermal Prime Movers              | II/I          | EEE                 |
| 6    | Fluid Mechanics & Hydraulic Machinery Lab | II/I          | EEE,CE              |
| 7    | Hydro & Thermal Prime Movers Lab          | II/I          | EEE                 |
| 8    | Hydraulics & hydraulic machinery          | II/II         | CE                  |

7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
8. Details of courses/programmes discontinued (if any) with reasons. **NIL**



## 9. Number of Teaching posts

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 04         | 05     |
| Associate Professors | 08         | 05     |
| Assistant Professors | 32         | 33     |

## 10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name               | Qualification | Designation          | Specialization              | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|--------------------|---------------|----------------------|-----------------------------|----------------------------|---|
| Prof. N.Krishna    | M.Tech        | Professor            | Industrial Engineering, ICG | 41y                        | ----  |
| Dr.M.Sreenivasa    | Ph.D          | Professor            | Industrial                  | 17.5 y                     | ----  |
| Dr.V.Srinivasa Sai | Ph.D          | Professor            | Production                  | 27.5 y                     | ----  |
| Dr.M.Kaladhar      | Ph.D          | Professor            | Industrial                  | 18.8y                      | ----  |
| G Rajesh           | Ph.D          | Professor            | Production                  | 10y                        | ----  |
| K.Srinivas         | M.Tech(Ph.D)  | Associate. Professor | Machine Design              | 19y                        | ----  |
| V Rama Krishna Rao | M.Tech(Ph.D)  | Associate. Professor | Forging Forge Technology    | 16y                        | ----  |
| D.V.Siva Reddy     | M.Tech(Ph.D)  | Associate. Professor | Manufacturing Technology    | 10y                        | ----  |
| G. Sulochana       | M.E(Ph.D)     | Associate. Professor | Heat transfer               | 11y                        | ----  |
| R Ranjith Kumar    | M.Tech        | Asst.Professor       | Machine Design              | 8y                         | ----  |
| K Shanmukhi        | M.Tech        | Asst.Professor       | Machine Design              | 07y                        | ----  |
| K.Supriya          | M.Tech (Ph.D) | Asst.Professor       | Cad/cam                     | 8y                         | ----  |
| Ch Anil Kumar      | M.Tech        | Asst.Professor       | Thermal                     | 4y6m                       | ----  |
| B Srinivasa Rao    | M.Tech        | Asst.Professor       | Thermal                     | 03y                        | ----  |
| D Divya            | M.Tech        | Asst.Professor       | Cad/cam                     | 03y & 5m                   | ----  |
| P E Asha Jyothi    | M.Tech        | Asst.Professor       | Machine Design              | 07y                        | ----  |
| P Rajesh           | M.Tech        | Asst.Professor       | Mechotranics                | 3y                         | ----  |
| K Sasi Nag         | M.Tech        | Asst.Professor       | Thermal                     | 02y                        | ----  |
| M V Ragavendra     | M.Tech        | Asst.Professor       | Machine Design              | 12y                        | ----  |
| Ch S R T P Sai     | M.Tech        | Asst.Professor       | Thermal                     | 3y6m                       | ----  |
| Ch.Nagarjuna       | M.Tech        | Asst.Professor       | Machine Design              | 1y2m                       | ----  |
| JNVS Anil babu     | M.Tech        | Asst.Professor       | NDE                         | 4                          | ----  |
| A.Naga pavankumar  | M.Tech        | Asst.Professor       | Thermal                     | 1y & 6m                    | ----  |
| M.Keerthi          | M.Tech        | Asst.Professor       | Machine Design              | 1y                         | ----  |
| SK Mahaboob        | M.Tech        | Asst.Professor       | Machine Design              | 1y                         | ----  |
| L.Gangadhar        | M.Tech        | Asst.Professor       | Machine Design              | 1y                         | ----  |
| M.Pradeep          | M.Tech        | Asst.Professor       | Thermal                     | 1y                         | ----  |

|                    |        |                |                         |         |      |
|--------------------|--------|----------------|-------------------------|---------|------|
| N.Viswa Sai Ram    | M.Tech | Asst.Professor | Thermal                 | 1y      | ---- |
| B.Ashwini kumar    | M.Tech | Asst.Professor | CIM                     | 3y      | ---- |
| R.Shyam Dheeraj    | M.Tech | Asst.Professor | Thermal                 | 2y & 4m | ---- |
| D.Suresh           | M.Tech | Asst.Professor | CAD/CAM                 | 06m     | ---- |
| K.Appala Raju      | M.Tech | Asst.Professor | Computer Aided Analysis | 06m     | ---- |
| T.D.Jyothi Prabha  | M.Tech | Asst.Professor | Thermal                 | 1y & 2m | ---- |
| K.Ravi Kanth       | M.Tech | Asst.Professor | Machine Design          | 06m     | ---- |
| J.Divya Susmitha   | M.Tech | Asst.Professor | Thermal                 | 09m     | ---- |
| G.V.V.N.Vital      | M.Tech | Asst.Professor | Thermal                 | 2y & 6m | ---- |
| K. Lakshmi Swathi  | M.Tech | Asst.Professor | Machine Design          | 2y      | ---- |
| L .Sesireka lethan | M.Tech | Asst.Professor | Machine Design          | 2y      | ---- |
| B.Udaya lakshmi    | M.Tech | Asst.Professor | Machine Design          | 1y      | ---  |
| K.Laxman Sarath    | M.Tech | Asst.Professor | Manufacturing           | 1y      | ---  |
| S.Nagarjuna        | M.Tech | Asst.Professor | Materials               | 1y      | ---  |
| T.Sai Kiran        | M.Tech | Asst.Professor | CIM                     | 1y      | ---  |
| M.Sai krihna       | M.Tech | Asst.Professor | Mahine Design           | 2y      | ---  |

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 (ME) - 15:1
- PG: M. Tech (MD) - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

| Post                      | Sanctioned | Filled |
|---------------------------|------------|--------|
| Support staff (Technical) | 15         | 15     |
| Administrative staff      | 02         | 02     |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

| S.No | Qualification | No. of Faculty |
|------|---------------|----------------|
| 1    | D.Sc / D.Litt | 0              |
| 2    | Ph.D          | 04             |
| 3    | M.Tech        | 39             |

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:

| S.No | Name of the Faculty  | No. of Publications | Monographs | Chapter in books | Books edited | Books with ISBN/ISSN numbers  | 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    | Dr.M.Srinivasa Rao   | 11                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | ---  | ---                        | ---                                    | ---                              |
| 2    | Dr.M.Kaladhar        | 13                  | --<br>-    | --<br>-          | --<br>-      | 01<br><br>(978-1-62100-558-7) | 139            | ---  | --                         | 01                                     | 12                               |
| 3    | Dr.V. Srinivasa Sai  | 08                  | --<br>-    | --<br>-          | --<br>-      | 1992<br>1950                  | --             | --   | ---                        | --                                     | ---                              |
| 4    | Dr .G.Rajesh         | 07                  | --<br>-    | --<br>-          | --<br>-      | ---                           | 25             | ---  | 1.1                        | ---                                    | 16                               |
| 5    | K.Srinivas           | 06                  | --<br>-    | --<br>-          | --<br>-      | 2395-0072                     | --             | --   | ---                        | --                                     | ---                              |
| 6    | V.Rana Krishna Rao   | 04                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | ---  | ---                        | ---                                    | ---                              |
| 7    | G.Sulochana          | 01                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | -----                                      | ---                        | ---                                    | ---                              |
| 8    | D.V. Siva Reddy      | 02                  | --<br>-    | --<br>-          | --<br>-      | 2349-6657                     | --             | ---  | ---                        | ---                                    | ---                              |
| 9    | R.Ranjith Kumar      | 01                  | --<br>-    | --<br>-          | --<br>-      | 2249-6149                     | --             | ---  | ---                        | ---                                    | ---                              |
| 10   | K. Shanmukhi         | 02                  | --<br>-    | --<br>-          | --<br>-      | -----                         | --             | ---  | ---                        | ---                                    | ---                              |
| 11   | Ch Anil Kumar        | 02                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | ---  | ---                        | ---                                    | ---                              |
| 12   | Mr. L.Gangadhar      | 03                  | --<br>-    | --<br>-          | --<br>-      | 2229-5518                     | ---            | ---  | ---                        | ---                                    | ---                              |
| 12   | M.V. Raghavendra Rao | 01                  | --<br>-    | --<br>-          | --<br>-      | 2321-6905                     | --             | ---  | ---                        | ---                                    | ---                              |
| 13   | M.Keerthi,           | 02                  | --<br>-    | --<br>-          | --<br>-      | 2395-0072                     | --             | ---  | ---                        | ---                                    | ---                              |
| 14   | Sk.Mahaboob Johny    | 01                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | ---  | ---                        | ---                                    | ---                              |
| 15   | Ch. Nagarjuna        | 01                  | --<br>-    | --<br>-          | --<br>-      | 2348-6308                     | --             | ---  | ---                        | ---                                    | ---                              |
| 16   | Rajesh P             | 01                  | --<br>-    | --<br>-          | --<br>-      | 2289-6308                     | --             | ---  | ---                        | ---                                    | ---                              |
| 17   | K.Sasinag            | 03                  | --<br>-    | --<br>-          | --<br>-      | ---                           | --             | ---  | ---                        | ---                                    | ---                              |
| 18   | T.D.Jyothi Praba     | 01                  | --<br>-    | --<br>-          | --<br>-      | ----                          | --             | ---  | ---                        | ---                                    | ---                              |
| 19   | K.Supriya            | 04                  | --<br>-    | --<br>-          | --<br>-      | -----                         | --             | ---  | ---                        | ---                                    | ---                              |

## 20. Areas of consultancy and income generated.

The following is the amount of expenditure for the in-house research projects which is useful for the students and staff to perform experimentation and research.

| S.No                               | Title  | Principal investigator | Cost               | Academic Year wise |
|------------------------------------|--|------------------------|--------------------|--------------------|
| 01                                 | Four-wheel steering  | D.Divya                | 20,000/-           | 2015-2016          |
| 02                                 | Abrasive jet machine   | K.Nagendra Prasad      | 24,438/-           | 2015-2016          |
| 03                                 | Notch apparatus  | K.Srinivas             | 71,360/-           | 2014-2015          |
| 04                                 | Wind tunnel  | Prof.N.krishna         | 56437/-            | 2014-2015          |
| 05                                 | Solar water heater   | Prof.N.krishna         | 42,148/-           | 2013-2014          |
| 06                                 | Power generation through exhaust gasses from scooter                     | M.Pradeep              | 15225/-            | 2013-2014          |
| 07                                 | Exhaust fan power generation   | B.Srinivasa Rao        | 8550/-             | 2013-2014          |
| 08                                 | Mouthpiece and orifice apparatus   | K.Srinivas             | 71,360/-           | 2013-14            |
| 09                                 | Fabrication drawing benches and stools                                   | V.R.K.R                | 7,36,200/-         | 2013-14            |
| 10                                 | Bernoulli's apparatus  | K.Srinivas             | 31,533/-           | 2012-13            |
| 11                                 | Fabricate and manufacturing natural fiber reinforced composite materials | G.Rajesh               | 18,467/-           | 2012-13            |
| 12                                 | Fabrication of school benches  | G.Rajesh               | 59,606/-           | 2012-13            |
| <b>Total cost</b>                  |  |                        | <b>11,55,324/-</b> |                    |
| <b>Note: including labour cost</b> |  |                        |                    |                    |

## 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

| S.No | Sector associated | Name of the Faculty | Professional body                      | Membership number |
|------|-------------------|---------------------|--|-------------------|
| 1    | National          | Dr M. Srinivasa Rao | Indian Society For Technical Education | LM 33048          |

|    |                            |                      |  |                |
|----|----------------------------|----------------------|--|----------------|
|    |                            |                      | (ISTE)   |                |
|    | International              |                      | International Association Of Engineers( IAENG)     | 171 730        |
|    | National                   |                      | Institute Of Engineers(India)                      | FIE,F-121383-7 |
|    | International              |                      | International Society For Research And Development | F3140900271    |
| 2  | National                   | Dr M Kaladhar        | Institution of Engineers (India)                   | M-144958-8     |
| 3  | National                   | V. Srinivasa Sai     | Indian Society For Technical Education (ISTE)      | LM 44651       |
| 4  | National                   | G Rajesh             | Indian Society For Technical Education (ISTE)      | LM 44652       |
| 5  | National/<br>International | K Srinivas           | Indian Society For Technical Education (ISTE)      | LM 44649       |
|    |                            |                      | International Association Of Engineers( IAENG)     | 180613         |
| 6  | National                   | V Rama Krishna Rao   | Indian Society ,For Technical Education (ISTE)     | LM 44653       |
| 7  | National                   | M. V. Raghavendrarao | Indian Society For Technical Education (ISTE)      | LM103650       |
| 8  | International              | L.Gangadhar          | International Association Of Engineers( IAENG)     | 170255         |
| 9  | National                   | G.Sulochana          | Indian Society ,For Technical Education (ISTE)     | LM53710        |
| 10 | National/<br>International | K.Supriya            | Indian Society For Technical Education (ISTE)      | LM84417        |
|    |                            |                      | International Association Of Engineers( IAENG)     | 178637         |

## 22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme: 100%

Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

### 23. Awards / Recognitions received by faculty and students

Faculty :

| S. No . | Name of the faculty | Award   | Department | Awarded by                            | Year    |
|---------|---------------------|---|------------|---------------------------------------|---------|
| 1       | K.Srinivas          | Best services as a head of the Department               | ME         | DVR&Dr.Hs Miccollege Of Technology    | 2013-14 |
| 2       | K.Srinivas          | Best Teacher  | ME         | DVR&Dr.Hs Miccollege Of Technology    | 2012-13 |
| 3       | Dr .G.Rajesh        | Best NSS program officer                                | ME         | UNIVERSITY(JNT U-K)                   | 2012-13 |
| 4       | Dr. G.Rajesh        | Best Services to college as NSS programmer              | ME         | DVR & Dr. Hs Miccollege Of Technology | 2009-10 |
| 5       | K.Srinivas          | Best Performance in subject                             | ME         | DVR&Dr.Hs Miccollege Of Technology    | 2008-09 |
| 6       | Dr. G.Rajesh        | Best Performance in subject                             | ME         | DVR&Dr.Hs Miccollege Of Technology    | 2008-09 |
| 7       | Dr. M.Srinivasa Rao | Best services to the college as officer In charge Exams | ME         | DVR&Dr.Hs Miccollege Of Technology    | 2010-11 |

Students :

| S.No | Academic Year | Name(s) of the student(s)                                       | Event participated                 | Prize |
|------|---------------|---|------------------------------------|-------|
| 1    | 2016-2017     | B.Uday Teja, Ch V.AnilReddy, N.Vinay Kumar, B.Vinay, S T Prasad | 3D Printing workshop               | --    |
| 2    |               | G.Rajasekhar, STPrasad, P.Gowtham, C.D.Gopinath, S.Giridhar,    | Latest technologies in automobiles | --    |

|    |           |   |  |    |
|----|-----------|---|--|----|
| 3  | 2015-2016 | M.SaiTeja   | 'mile sense fuel meter' at TEP conducted by ISB-India                | I  |
| 4  |           | M.Pavan Sagar & N.Swetha                          | ISB-India  | II |
| 5  |           | P.Akhil & D.Ajay Kumar                            | working model conducted at MIC college of technology                 | II |
| 6  |           | M.Sudhakar  | Technical quiz conducted by KITS-Warangal                            | I  |
| 7  |           | I.Prashant  | photography competition held at MIC college of technology            | II |
| 8  |           | Ch.Jyothi swaroop & M.Aditya                      | poster presentation at LBRCE,Mylavaram                               | II |
| 9  |           | M.Giridhar, B.Srihari, B.Raviteja & K.Pavan Kumar | kabaddi at JNTUK Intercollegiate                                     | II |
| 10 | 2014-2015 | M.Pavan Sagar & K Balakrishna raju                | technical Quiz at K L University                                     | II |
| 11 |           | M.SaiTeja,K Balakrishna raju                      | working models exhibition conducted at MIC college of technology     | II |
| 12 |           | M PavanSagar                                      | paper presentation exhibition conducted at MIC college of technology | I  |
| 13 |           | Durga Srimanth, N Madhu gopal & Y.Mithin Raj      | technical quiz conducted by MIC college of technology                | II |
| 14 |           | N.Nagendra  | shortfilm conducted by MVR college of engineering.                   | II |
| 15 |           | K V Seshadri & K Yeswanth Paul                    | Engine Assembly conducted by Dhanekula engineering college           | II |
| 16 |           | Ch Sudheer kumar                                  | Poetry Writing conducted by MIC college of technology                | I  |
| 17 |           | P Bhanu Prakash                                   | Shotput & Discos throw conducted by MIC college of technology        | I  |
| 18 |           | B Srihari   | Kabaddi at JNTU-K  | I  |

|    |               |                     |  |     |
|----|---------------|---------------------|--|-----|
|    |               |                     | Intercollegiate<br>tournament conducted by<br>NOVA college                         |     |
| 19 | 2013-<br>2014 | Shanmuk Sainath     | Advances in Automobile<br>Engineering conducted by<br>Vignan University            | I   |
| 20 |               | Ch.Saisri Chaitanya | Texhibit conducted by JNTU-<br>Kakinada  | I   |
| 21 |               | M SaiTeja           | CRYPTEX conducted by NIT-<br>Warangal.   | I   |
| 22 |               | U Harikrishna       | technical quiz conducted by<br>MIC college of technology                           | I   |
| 23 |               | P Harikrishna       | Advances in Automobie<br>engineering workshop<br>conducted by Vignan<br>University | I   |
| 24 |               | G Nagesh Babu       | project expo conducted by<br>NIMRA college of engineering                          | I   |
| 25 |               | R Mohankrishna      | projectexpo conducted by SRK<br>college of engineering                             | II  |
| 26 |               | B Srinivas          | Volleyball conducted at<br>Mandava engineering college                             | I   |
| 27 | 2012-<br>2013 | M James             | Man of Million faces conducted<br>by MIC college of technology                     | II  |
| 28 |               | M Gowtham           | 4x100m relay running   | II  |
| 29 |               | M Gowtham           | 100m running   | III |
| 30 |               | G Nagesh babu       | kabaddi at MIC college of<br>technology  | II  |
| 31 |               | G Nagesh babu       | cricket at MIC college of<br>technology  | I   |

## 24. List of eminent academicians and scientists / visitors to the department .

| Academic | Name of the<br>academician/scientist | Designation | Program organized |
|----------|--------------------------------------|-------------|-------------------|
|----------|--------------------------------------|-------------|-------------------|



| year      |  |  |   |
|-----------|--|--|---|
| 2016-2017 | Dr.N.SivaPrasad                                | DSP specialist, Tata Elxsi Ltd, Bangalore                          | A one day workshop on “Research guidelines & methodologies”   |
|           | Mr.G.Vijay Kumar                               | Managing Partner, Future NDT                                       | A One day national level workshop on “Application of NDT in mechanical industries”  |
|           | Mr.Venkata Reddy                               | Chief engineer, Innovent Technologies Pvt. Ltd.,Bangalore.         | A two day workshop on ‘Introduction to ANSYS’   |
|           | Mr.B.Srinivas                                  | Manager, KALVA Engineers PVT LTD                                   | A seminar on ‘CAREER PROSPECTS WITH NON-DESTRUCTIVE TESTING’  |
| 2015-2016 | Dr. A. Venu Gopal, Professor                   | Department of Mechanical Engineering, NIT Warangal                 | One Week Faculty Development Programme on “Research Problems and Solving Techniques in Materials and Manufacturing Engineering” |
|           | Dr.N.Venkaiah Assistant Professor              | Department of Mechanical Engineering, NIT Warangal                 |   |
|           | Dr.L.Suvarna Raju, Professor & Head            | Department of Mechanical Engineering, PSCMR College of Engineering |   |
|           | Dr. B.Bala Krishna, Professor & Vice Principal | JNTU College of Engineering Kakinada                               |   |
|           | Mr. G.Samuel                                   | Professor, IIT-Madras  | Guest lecture on ‘Micromachining Techniques’  |
|           | Mr. Prasad                                     | Director ,CADD EXPERTS   | One Week National Level Workshop On “Modeling with  |

|           |                         |   |  |
|-----------|-------------------------|---|--|
|           |                         |   | <i>Pro-E''</i>   |
|           | Mr. AVSSKS Gupta        | Professor, JNTUH-Hyderabad                          | Guest lecture on 'Second law of Thermodynamics'                    |
|           | Dr.P.N.Rao              | Professor, University of Northern IOWA              | Guest lecture on 'Additive Manufacturing'                          |
| 2014-2015 | Mr.S.Srinivas           | Manager, Singareni Power plant, Srirampur           | Guest lecture on 'power generation in INDIA – future & challenges' |
|           | Ms.Sridevi kasturi      | Design engineer, Cummins Technologies India Pvt.Ltd | Guest lecture on 'An introduction to ANSYS'                        |
|           | K.Poorna Chandra Rao    | APHMEL, Kondapalli                                  | Guest lecture on 'Non-Destructive testing methods'                 |
| 2013-2014 | Mr.R.Subba Rao          | APHMEL, Kondapalli                                  | Guest lecture on 'Modern welding techniques'                       |
|           | Mr.Venkateswarlu        | Chief engineer, Hindustan Motors                    | Guest lecture on 'Challenges in Automobile Industry'               |
|           | Mr.G.A.Rama Rao         | Scientist-H, BARC                                   | Guest lecture on 'Role of Engineers in Nuclear Engineering'        |
| 2012-2013 | Mr.A.R.K.Chowdary       | Chief engineer, Harsha Liners Pvt.Ltd               | Guest lecture on 'Opportunities for Mechanical Engineers'          |
|           | Mr.A.Venkata Seetha Ram | Chief engineer, Rithviq Automation Ltd              | Guest lecture on 'Industrial Hydraulics & Automation'              |
|           | Mr.K.Santosh Babu       | Manager , FABMAX                                    | Guest lecture on 'Introduction to Robotics'                        |
|           | Mr.S.Prasad             | HOD-MLR Engg college                                | Guest lecture on 'Computational Fluid Dynamics'                    |

25. Seminars/ Conferences/Workshops organized & the source of funding

c) National

| Academic Year    | Date                     | Description of the Seminar/Guest Lecture  | source of funding |
|------------------|--------------------------|---|-------------------|
| <b>2016-2017</b> | 16-09-2016               | A seminar on 'career prospects with Non-Destructive Testing' by Mr.B.Srinivas, Manager, KALVA Engineers PVT LTD                   | institute         |
|                  | 12-07-2016 to 13-07-2016 | A 2-day workshop on 'Introduction to ANSYS' by Mr.Venkata Reddy, Innovent Technologies Pvt.Ltd.,Bangalore.                        | Institute         |
|                  | 29-09-2016 to 30-09-2016 | A two day workshop on 'Design and Fabrication of Quadcopter' was organized by SKYFI labs  | Institute         |
|                  | 14-12-2016               | A One day national level workshop on "Application of NDT in mechanical industries" by Mr.G.Vijay Kumar,MD, Future NDT             | Institute         |
| <b>2015-2016</b> | 13-06-2016 to 19-06-2016 | A One Week National Level Workshop on "Modeling with Pro-E" was organized by CADD EXPERTS, Vijayawada                             | Institute         |
|                  | 20-06-2016 to 24-06-2016 | A One Week Faculty Development Programme on "Research Problems and Solving Techniques in Materials and Manufacturing Engineering" | Institute         |
|                  | 09-03-2016               | Guest lecture on 'Micromachining Techniques' was organized by Mr. G.Samuel, IIT-Madras  | Institute         |
|                  | 07-01-2016               | Guest lecture on 'Second law of Thermodynamics' was organized by Mr. AVSSKS Gupta, Professor, JNTUH-Hyderabad                     | Institute         |
|                  | 29-09-2015               | Seminar on 'Industrial safety & Fire management' was organized by TUV Rheinland – NIFE Academy Pvt.Ltd.                           | Institute         |
|                  | 01-08-2015               | Guest lecture on 'Additive Manufacturing' was organized by Dr.P.N.Rao, Professor, University of Northern IOWA                     | Institute         |
| <b>2014-2015</b> | 13-03-2015               | Guest lecture on 'power generation in INDIA – future & challenges' was organized by S.Srinivas, Singareni Power plant, Srirampur  | Institute         |
|                  | 23-01-2015               | Guest lecture on 'An introduction to ANSYS' was organized by Ms.Sridevi kasturi, Cummins Technologies India Pvt.Ltd               | Institute         |
|                  | 19-12-2014               | Guest lecture on 'Non-Destructive testing methods' was organized by K.Poorna Chandra Rao, APHMEL, Kondapalli                      | Institute         |

|                  |                          |   |           |
|------------------|--------------------------|---|-----------|
|                  | 05-09-2014 to 06-09-2014 | A Two-day workshop on 'Automobile IC Engine Design' organized by Aerotrix   | Institute |
| <b>2013-2014</b> | 15-03-2014               | Guest lecture on 'Modern welding techniques' was organized by Mr.R.Subba Rao, APHMEL, Kondapalli                        | Institute |
|                  | 31-01-2014               | Guest lecture on 'Challenges in Automobile Industry' was organized by Mr.Venkateswarlu, Hindustan Motors                | Institute |
|                  | 18-11-2013 to 19-11-2013 | A two-day 'TECHNOSIA-2014 ROBOTIC WORKSHOP' was organized by Spark Lab Engineering Systems Pvt.Ltd.                     | Institute |
|                  | 24-07-2013               | Guest lecture on 'Role of Engineers in Nuclear Engineering' was organized by Mr.G.A.Rama Rao, Scientist-H, BARC         | Institute |
| <b>2012-2013</b> | 11-03-2013               | Guest lecture on 'Opportunities for Mechanical Engineers' was organized by Mr.A.R.K.Chowdary, Harsha Liners Pvt.Ltd     | Institute |
|                  | 13-12-2012               | Guest lecture on 'Industrial Hydraulics & Automation' was organized by Mr.A.Venkata Seetha Ram, Rithviq Automation Ltd. | Institute |
|                  | 07-09-2012               | Guest lecture on 'Introduction to Robotics' was organized by Mr.K.Santosh Babu, FABMAX                                  | Institute |
|                  | 09-08-2012               | Guest lecture on 'Computational Fluid Dynamics' was organized by Mr.S.Prasad, HOD-MLR Engg college                      | Institute |

d) International. NIL

26. Student profile programme/course wise:

| Name of the Course/programme | Applications received | Selected | Enrolled |    | Pass percentage |
|------------------------------|-----------------------|----------|----------|----|-----------------|
|                              |                       |          | *M       | *F |                 |
| 2015-16(BTECH)               | NA                    | 139      | 130      | 9  | 64.74           |
| 2014-15(BTECH)               | NA                    | 71       | 59       | 12 | 74.64           |
| 2014-15(MTECH)               | NA                    | 11       | 7        | 4  | 90.9            |
| 2013-14(BTECH)               | NA                    | 72       | 59       | 13 | 79.16           |
| 2013-14(MTECH)               | NA                    | 2        | 2        | 0  | 50              |
| 2012-13(BTECH)               | NA                    | 66       | 51       | 15 | 77.27           |
| 2012-13(MTECH)               | NA                    | 10       | 9        | 1  | 50              |

\*M = Male \*F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Tech             | 100%                              | --                              | --                        |
| M.Tech             | 100%                              | --                              | --                        |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

**38 Students**

29. Student progression

| Student progression              | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG                         | 19.33              |
| PG to M.Phil.                    | Not applicable     |
| PG to Ph.D.                      | Not applicable     |
| Ph.D. to Post-Doctoral           | Not applicable     |
| <b>Employed</b>                  |                    |
| • Campus selection               | 167                |
| • Other than campus recruitment  | 35                 |
| Entrepreneurship/Self-employment | Not applicable     |

30. Details of Infrastructural facilities

a) **Library: Plinth area 35sqm.**

| No.of Titles | No. of Volumes | No. Of Computers | No. of E-journals | No. of E-Books | No.of Print Journals |
|--------------|----------------|------------------|-------------------|----------------|----------------------|
|              | 793            | 07               | 568               | 6556           | 17                   |

**b. Internet facilities for Staff & Students:**

10 Mbps broad band leased line from BSNL

20 Mbps NME (National Mission for Education through Information &

Communication Technology), 4 Broad Band connections of 512 Kbps.

**c. Class rooms with ICT facility:** LCD Projectors with Bluetooth, Wi-Fi Internet, Laptops, Animated Videos

**d) Laboratories:**

| S.No | Name of the laboratory                | Area<br>(Sqm) | Total Investments<br>(INR) |
|------|---------------------------------------|---------------|----------------------------|
| 1    | Basic workshop                        | 296           | 1, 53,898 -00              |
| 2    | Mechanics of solids                   | 113           | 6,65,789-00                |
| 3    | Fluid mechanics & hydraulic machinery | 113           | 5,07,470-00                |
| 4    | Production technology                 | 110           | 4,91,862-00                |
| 5    | Metrology                             | 103           | 2,79,728-00                |
| 6    | Heat transfer                         | 103           | 3, 38,500-00               |
| 7    | Machine tools                         | 190           | 19, 40,677 -00             |
| 8    | Thermal engineering                   | 185           | 7, 69,812-00               |
| 9    | Simulation                            | 148           | 41, 02,156-00              |
| 10   | Metallurgy                            | 103           | 1, 80,550-00               |

|    |                           |     |               |
|----|---------------------------|-----|---------------|
|    |                           |     |               |
| 11 | Instrumentation           | 103 | 1, 49,500-00  |
| 12 | Fuels                     | 80  | 9, 29, 20-00  |
| 13 | Machine dynamics (M.Tech) | 103 | 1, 62, 500-00 |

31. Number of students receiving financial assistance from college, university, government or other agencies.

| Sl. No | Academic Year | Course UG/PG | No. of Students | Financial assistance from                    |
|--------|---------------|--------------|-----------------|--|
| 1      | 2012-2013     | Both         | 90              | Government (Under Fee Re-imbursement scheme) |
| 2      | 2013-2014     | Both         | 97              |  |
| 3      | 2014-2015     | Both         | 140             |  |
| 4      | 2015-2016     | Both         | 137             |  |
| 5      | 2016-2017     | Both         | 90              |  |

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

| Academic Year | Date                     | Description of the Seminar/Guest Lecture  |
|---------------|--------------------------|---|
| 2015-2016     | 13-06-2016 to 19-06-2016 | A One Week National Level Workshop on “Modeling with Pro-E” was organized by CADD EXPERTS, Vijayawada                             |
|               | 20-06-2016 to 24-06-2016 | A One Week Faculty Development Programme on “Research Problems and Solving Techniques in Materials and Manufacturing Engineering” |
|               | 09-03-2016               | Guest lecture on ‘Micromachining Techniques’ was organized by Mr. G.Samuel, IIT-Madras  |
|               | 07-01-2016               | Guest lecture on ‘Second law of Thermodynamics’ was organized by Mr. AVSSKS Gupta, Professor, JNTUH-Hyderabad                     |
|               | 29-09-2015               | Seminar on ‘Industrial safety & Fire management’ was organized by TUV Rheinland – NIFE Academy Pvt.Ltd.                           |
|               | 01-08-2015               | Guest lecture on ‘Additive Manufacturing’ was organized by Dr.P.N.Rao, Professor, University of Northern IOWA                     |
| 2014-2015     | 13-03-2015               | Guest lecture on ‘power generation in INDIA – future & challenges’ was organized by S.Srinivas, Singareni Power plant, Srirampur  |
|               | 23-01-2015               | Guest lecture on ‘An introduction to ANSYS’ was organized by Ms.Sridevi kasturi, Cummins Technologies India Pvt.Ltd               |

|                  |                          |   |
|------------------|--------------------------|---|
|                  | 19-12-2014               | Guest lecture on 'Non-Destructive testing methods' was organized by K.Poorna Chandra Rao, APHMEL, Kondapalli            |
|                  | 05-09-2014 to 06-09-2014 | A Two-day workshop on 'Automobile IC Engine Design' organized by Aerotrix   |
| <b>2013-2014</b> | 15-03-2014               | Guest lecture on 'Modern welding techniques' was organized by Mr.R.Subba Rao, APHMEL, Kondapalli                        |
|                  | 31-01-2014               | Guest lecture on 'Challenges in Automobile Industry' was organized by Mr.Venkateswarlu,                                 |
|                  | 18-11-2013 to 19-11-2013 | A two-day 'TECHNOSIA-2014 ROBOTIC WORKSHOP' was organized by Spark Lab Engineering Systems Pvt.Ltd.                     |
|                  | 24-07-2013               | Guest lecture on 'Role of Engineers in Nuclear Engineering' was organized by Mr.G.A.Rama Rao, Scientist-H, BARC         |
| <b>2012-2013</b> | 11-03-2013               | Guest lecture on 'Opportunities for Mechanical Engineers' was organized by Mr.A.R.K.Chowdary, Harsha Liners Pvt.Ltd     |
|                  | 13-12-2012               | Guest lecture on 'Industrial Hydraulics & Automation' was organized by Mr.A.Venkata Seetha Ram, Rithviq Automation Ltd. |
|                  | 07-09-2012               | Guest lecture on 'Introduction to Robotics' was organized by Mr.K.Santosh Babu, FABMAX                                  |
|                  | 09-08-2012               | Guest lecture on 'Computational Fluid Dynamics' was organized by Mr.S.Prasad, HOD-MLR Engg                              |

### 33. Teaching methods adopted to improve student learning

- Power point presentations/Video lectures/OHPs 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 academics and industry
- Conducting remedial classes for slow 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
- Providing extra lab practice to all the students to improve the practical skills along with regular curriculum.
- For practical classes, one model test is 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 lectures to students by eminent personalities from academic institutions and Industry to enhance the knowledge of student
- Arranging Industrial Visits
- NPTEL lectures



## 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

➤ **NSS activities**

Involving students as volunteers for conducting

| S.No.            | Title of the event                                   | Date                     | Place  |
|------------------|--|--------------------------|--|
| <b>2016-2017</b> |  |                          |  |
| 1.               | Distribution of Note books                           | 08-07-2016               | MPUP School, Perakalapadu  |
| 2.               | Distribution of note books                           | 19-07-2016               | MPP School, Pendyala   |
| 3.               | Vanam Manam, Plantation Programme                    | 04-08-2016               | Perakalapadu   |
| 4.               | Blood Donation Camp                                  | 09-08-2016               | College Seminar Hall   |
| 5.               | Voluntering for Krishna Pushkaras                    | 12-08-2016 to 23-08-2016 | Pavitrasangamam Ghat, Ibrahimpatnam Ferri  |
| 6.               | Visit to Oldage home on NSS foundation day           | 24-09-2016               | Amma Nanna Oldage home, Satyanarayanapuram, Kethanakonda                         |
| <b>2015-2016</b> |  |                          |  |
| 1.               | Distribution of note books                           | 15-07-2015               | MPP School, Pendyala   |
| 2.               | Distribution of note books                           | 23-07-2015               | MPUP School, Perakalapadu  |
| 3.               | Blood Donation Camp                                  | 12-08-2015               | College Seminar Hall   |
| 4.               | Visit to Oldage home Birthday of Mother Teresa       | 26-08-2015               | Khasim and Khasim oldage home, Nandigama and Sai Netra Oldage home, Perakalapadu |
| 5.               | Birth anniversary Celebrations of Dr.APJ Abdul Kalam | 15-10-2015               | College Campus   |
| 6.               | Visit to Annamma Special School for Dumb and Deaf    | 31-12-2015               | Ibrahimpatnam  |
| 7.               | Republic day celebrations                            | 26-01-2016               | College campus   |
| 8.               | Visit to Apple Foundation for Orphan Children        | 06-02-2016               | Gunadala, Vijayawada   |
| 9.               | Free dental checkup camp                             | 25-02-2016               | College seminar hall   |
| 10.              | Joy of Giving  | 03-04-2016               | MPUP School, Perakalapadu  |

|                  |   |                          |   |
|------------------|---|--------------------------|---|
| 11.              | Free Dental Checkup Camp for Villagers & School Children  | 09-03-2016               | MPUP School, Perakalapadu                         |
| 12.              | Free Eye Checkup Camp for Villagers & School Children   | 10-03-2016               | MPUP School, Perakalapadu                         |
| 13.              | Tree Plantation in the village  | 11-03-2016               | MPUP School, Perakalapadu                         |
| 14.              | General Health Checkup for Villagers & School Children  | 12-03-2016               | MPUP School, Perakalapadu                         |
| 15.              | Medical Camp with Children specialist   | 13-03-2016               | MPUP School, Perakalapadu                         |
| 16.              | Sports Day  | 14-03-2016               | MPUP School, Perakalapadu                         |
| 17.              | Valedictory, Distribution of spectacles to villagers, distribution of prizes to children and School Anniversary | 15-03-2016               | MPUP School, Perakalapadu                         |
| 18.              | Distribution of footwear and caps to MPUP School Children   | 05-05-2016               | MPUP School, Perakalapadu                         |
| <b>2014-2015</b> |   |                          |   |
| 12.              | Blood Grouping  | 14-06-2014               | College seminar hall                              |
| 13.              | Donation Of Note Books  | 05-07-2014               | Telugu And Urdhu Primary Schools At Pendyala      |
| 14.              | Donation Of Note Books  | 08-07-2014               | Telugu And Urdhu Primary Schools At Pendyala Main |
| 15.              | Blood Donation Camp   | 14-07-2014               | College Seminar hall                              |
| 16.              | Visit To Apple Foundation For Orphan Children   | 19-09-2015               | Gunadala, Vijayawada                              |
| 17.              | Fund Raising Program For Hud-Hud Flood Victims  | 21-10-2014 to 23-10-2014 | College campus                                    |
| 18.              | Swachh Bharat Mission-Campus Clean And Green  | 28-11-2014               | College campus                                    |
| 19.              | Visit To Oldage Home & Swachh Bharat At Oldage Home   | 05-12-2014               | Devineni Venkata Ramana Ghat, Perakalapadu        |

|                  |   |                      |   |
|------------------|---|----------------------|---|
| 20.              | Donation Ro Water Purifier Plant And Distribution Of Note Books                       | 12-12-2014           | MPUP School Perakalapadu                  |
| 21.              | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup)                   | 20-03-2015           | College Seminar hall                      |
| 22.              | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)                         | 05-04-2015           | Siddhartha Academy Auditorium, Vijayawada |
| <b>2013-2014</b> |   |                      |   |
| 16.              | Visit To Annamma School For Hearing And Physically Challenged, Kondapalli, Vijayawada | 21-06-2013           | Kondapalli                                |
| 17.              | Blood Donation Camp   | 09-07-2013           | College seminar hall                      |
| 18.              | Fund Rising Programme For Uttarakhand Flood Victims                                   | 15-17 July 2013      | College campus                            |
| 19.              | 5km Walk  | 20-07-2013           | Jaggiahpet, Krishna District              |
| 20.              | Joy of Giving Week<br>- Visit To Apple Orphanage<br>- Help To Sri Netra               | 02 - 08 October 2013 | Gunadala, Vijayawada                      |
| 21.              | Free Dental Check-Up  | 14-11-2013           | College seminar hall                      |
| 22.              | Donation of Note books  | 29-01-2014           | MPUP School Perakalapadu                  |
| 23.              | Visit To Mother's Home  | 14-02-2014           | Bhavanipuram, Vijayawada                  |
| 24.              | Free eye check up camp and literacy programme   | 12-02-2014           | Perakalapadu                              |
| 25.              | Tree Plantation   | 13-02-2014           |   |
| 26.              | Legal awareness camp & awareness on RTI act   | 14-02-2014           |   |
| 27.              | Health checkup for school children  | 15-02-2014:          |   |
| 28.              | Literary, sports activities for school children                                       | 16-02-2014           |   |

|           |   |                    |  |
|-----------|---|--------------------|--|
| 29.       | General medical camp.   | 17-02-2014         |  |
| 30.       | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014         |  |
| 2012-2013 |   |                    |  |
| 19.       | 5 km Rally on “Importance of Blood Donation”  | 26-06-2012         | Kanchikacherla                             |
| 20.       | Blood Donation camp   | 27-06-2012         | College seminar hall                       |
| 21.       | Distribution of note books  | 12-07-2012         | Perakalapadu                               |
| 22.       | Day for Disabled  | 18-07-2012         | College seminar hall                       |
| 23.       | Quit India Day  | 08 & 09-08-2012    | College seminar hall                       |
| 24.       | NSS Foundation Day, Visit to oldage home  | 24-09-2012         | Devineni Venkata Ramana Ghat, Perakalapadu |
| 25.       | Blood Grouping for all the students   | 14-11-2012         | College seminar hall                       |
| 26.       | Joy of giving week- help to jyothiswar with 5 km walk                                       | 12-12-2014         | Nandigama                                  |
| 27.       | Distribution of basic needs to children   | 2-1-2013           | Perakalapadu                               |
| 28.       | Youth festival  | 10, 11, 12-01-2013 | College seminar hall                       |
| 29.       | Blood Donation camp   | 10-01-2013         | College seminar hall                       |
| 30.       | Inauguration of Special camp and Micro Survey   | 11-02-2013         | Perakalapadu                               |
| 31.       | Free Eye Check up Camp  | 12-02-2013         |  |
| 32.       | Clean& Hygiene - Awareness Rally on Plastic Usage   | 13-02-2013         |  |
| 33.       | Health Check up Camp for Children   | 15-02-2013         |  |
| 34.       | Literacy Programme for Middle   | 16-02-2013         |  |

|     |                                     |            |  |
|-----|-------------------------------------|------------|--|
|     | Age People in the Village           |            |  |
| 35. | BP, Sugar, & Heart Check up<br>Camp | 17-02-2013 |  |
| 36. | Village Greenery & Valedictory      | 18-02-2013 |  |

### 35. SWOC analysis of the department and Future plans

#### **Strengths:**

- Qualified and experienced faculty.
- Faculty with good retention.
- Well equipped and spacious laboratories.
- Active participation of faculty in research activities.
- Good industry - institution interaction with number of MOUs.
- Equipment/furniture fabrication in the labs by in-house staff members.

#### **Weaknesses:**

- Improvement of funding projects and seminars with government aid.
- Inadequate placements in core companies
- Increase in number of GATE qualified students.

#### **Opportunities:**

- Opportunity to perform research in industries for project works.
- Opportunities to have an insight into entrepreneurship through interaction with industry personnel.
- Amicable management with generous attitude in the form of lucrative special pays and incentives with additional perks and allowances to attract highly qualified and efficient and veteran faculty.

#### **Challenges:**

- Lack of good communication skills in English language and lack of exposure to the city based benefits.
- Poor quality of intake.

#### **Future Plans**

- To enhance Industry - Institute - Interaction.
- To maintain good interaction with professional bodies
- To improve the faculty research publications.
- To receive funded projects from DST/SERB/AICTE/MHRD, etc.
- Planning to establish additional Post Graduate programmes in the department

## Evaluative Report

### Department of 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 (CE)**

4. Names of Interdisciplinary courses and the departments/units involved

| S.No | Course                                      | Departments offered |
|------|---|---------------------|
| 1    | Probability and Statistics                  | BED                 |
| 2    | Electrical & Electronic Engineering         | EEE                 |
| 3    | Fluid Mechanics                             | MECH                |
| 4    | Managerial Economics and Financial Analysis | MBA                 |
| 5    | H & HM                                      | MECH                |
| 6    | FM & HM Lab                                 | MECH                |
| 7    | IPR & Patents                               | MBA                 |

5. Annual/ semester/choice based credit system (programme wise)

- **B.Tech - Civil Engineering Semester based Credit Systems and Electives in Higher Semesters**

6. Participation of the department in the courses offered by other departments **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of Teaching posts

| Name of the post     | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 03         | 01     |
| Associate Professors | 06         | 01     |
| Asst. Professors     | 20         | 23     |

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| S.No. | Name                    | Qualification | Designation           | Specialization             | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-------|-------------------------|---------------|-----------------------|----------------------------|----------------------------|---|
| 1     | Dr.Y. Sudheer Babu      | Ph.D          | Professor & Principal | Transportation Engineering | 33                         | -   |
| 2     | Mr.N.V.Subba Rao        | M.E (Ph.D)    | Associate Professor   | Environmental Engineering  | 12                         | -   |
| 3     | Mrs. K. Mounika         | M.Tech        | Assistant Professor   | Structural Engineering     | 3                          | -   |
| 4     | Mr. K. Karthik          | M.Tech        | Assistant Professor   | Structural Engineering     | 3                          | -   |
| 5     | Mr. C. Ravijanya        | M.Tech        | Assistant Professor   | CTM                        | 1                          | -   |
| 6     | Mrs.V. Ramya Sree       | M.S           | Assistant Professor   | CTM                        | 1                          | -   |
| 7     | Mr. D.Purna Chandra Rao | M.Tech        | Assistant Professor   | Structural Engineering     | 2                          | -   |
| 8     | Mr.K.Prasad             | M.Tech        | Assistant Professor   | Structural Engineering     | 2                          | -   |
| 9     | Ms. S. Ramya            | M.Tech        | Assistant Professor   | Structural Engineering     | 1                          | -   |
| 10    | Mr.Y. Nikhil            | M.Tech        | Assistant Professor   | Structural Engineering     | 6 months                   | -   |
| 11    | Mr. R. Naveen Kumar     | M.Tech        | Assistant Professor   | Water Resource             | 1                          | -   |
| 12    | Mr. Sk. Deen Mohammad   | M.Tech        | Assistant Professor   | Structural Engineering     | 6 months                   | -   |
| 13    | Ms. B. Devi Pravallika  | M.Tech        | Assistant Professor   | Structural Engineering     | 6 months                   | -   |
| 14    | Mr.H.V.N.Phaneendra     | B.Tech        | Assistant Professor   | Civil Engineering          | 3                          | -   |
| 15    | Mr. I. Singaiah         | B.Tech        | Assistant Professor   | Civil Engineering          | 2                          | -   |

|    |                       |        |                     |                        |          |   |
|----|-----------------------|--------|---------------------|------------------------|----------|---|
| 16 | Mr. D. Chandra Kanth  | B.Tech | Assistant Professor | Civil Engineering      | 2        | - |
| 17 | P. Sasi Kumar         | B.Tech | Assistant Professor | Civil Engineering      | 6 months | - |
| 18 | Mr.G.Praveen Kumar    | B.Tech | Assistant Professor | Civil Engineering      | 1 month  | - |
| 19 | Mr. N. Venakta Sai    | B.Tech | Assistant Professor | Civil Engineering      | 2        | - |
| 20 | Mr. B. Sai Chaitanya  | M.Tech | Assistant Professor | Structural Engineering |          | - |
| 21 | Mr. M. Chandra Sekhar | M.Tech | Assistant Professor | Structural Engineering |          | - |
| 22 | Mr. Ch. Srivalli      | M.S    | Assistant Professor | -                      |          | - |

\*guiding at present

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 (CE) 15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| Post                                  | Sanctioned | Filled |
|---------------------------------------|------------|--------|
| Administrative Staff                  | 02         | 01     |
| Academic Support Staff<br>(Technical) | 10         | 03     |

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 (M.Tech / MA/ M.Com / M.Sc/ MBA / MCA) | No.of faculty with UG (B.Tech) |
|-----------------------------------|--------------------------|----------------------------|---|--------------------------------|
| --                                | 01                       | --                         | 15  | 06                             |



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. a) Publication per faculty
  - b. Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - \* Monographs
  - \* Chapter in Books
  - \* Books Edited
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index

| S.No | Name of the Faculty | Number of papers published | Number of publications listed in International Database | Monographs | Chapter in Books | Books Edited | Books with ISBN/ISSN | Citation Index | SNIP | SJR | Impact Factor | H- Index |
|------|---------------------|----------------------------|---|------------|------------------|--------------|----------------------|----------------|------|-----|---------------|----------|
| 1.   | Dr. Y. Sudheer      |                            |   |            |                  |              |                      |                |      |     |               |          |

|    |                          |    |    |  |  |  |  |  |  |  |  |  |
|----|--------------------------|----|----|--|--|--|--|--|--|--|--|--|
|    | Babu                     |    |    |  |  |  |  |  |  |  |  |  |
| 1. | Mr. D. Purna Chandra Rao |    | 01 |  |  |  |  |  |  |  |  |  |
| 2. | Mr. K. Vijaya Krishna    | 01 |    |  |  |  |  |  |  |  |  |  |
| 3  | Mr. K. Prasad            |    | 01 |  |  |  |  |  |  |  |  |  |
| 4  | Ms. S. Ramya             |    | 01 |  |  |  |  |  |  |  |  |  |
| 5  | Mr. Y. Nikhil            |    | 01 |  |  |  |  |  |  |  |  |  |
| 6  | Mr. R. Naveen Kumar      |    | 01 |  |  |  |  |  |  |  |  |  |
| 7  | Ms. B. Devi Pravallika   |    | 02 |  |  |  |  |  |  |  |  |  |

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in National committees b) International Committees c) Editorial Boards

| S. No | Name of the Staff   | Designation           | Membership in Professional Societies  | Member in Editorial Board |
|-------|---------------------|-----------------------|---|---------------------------|
| 1.    | Dr. Y. Sudheer Babu | Professor & Principal | Life Fellow in Institution of Engineers,<br>Life Fellow in Indian Institution of Bridge Engineers,<br>Life Member in Indian Society of Technical Education,<br>Life Member (Senior Grade) in Computer Society of India,<br>Life Member in Indian Roads Congress,<br>Life Member in Institute of | -                         |

|    |                 |                  |                 |   |
|----|-----------------|------------------|-----------------|---|
|    |                 |                  | Urban Transport |   |
| 2. | N. V. Subba Rao | Assoc. Professor | MIE, C.Engg (I) | - |

## 22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme: **100%**

Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

| S.No | Names of the students | Guided by | Project duration | Cost involved | Sponsorship offered(if any) |
|------|-----------------------|-----------|------------------|---------------|-----------------------------|
| --   | --                    | --        | --               | --            | --                          |
| --   | --                    | --        | --               | --            | --                          |

## 23. Awards / Recognitions received by faculty and students :

| Academic year 2015-16 |                      |            |                                     |                                  |              |
|-----------------------|----------------------|------------|-------------------------------------|----------------------------------|--------------|
| S.No.                 | Name of the Student  | Date       | Program/Event                       | Awarded by                       | Award        |
| 1                     | V. Vyshnavi          | 12/2/2016  | Singing                             | MIC College of Technology        | I Prize      |
| 2                     | P. R. V Bala Krishna | 15-09-2016 | QUIZ                                | MIC College of Technology        | II Prize     |
| 3                     | G. Ramesh Babu       | 4/2/2016   | Inter collegiate Tournament 2015-16 | GEC, Gudlavalleru                | RUNNE R-UP   |
| 4                     | CH. Rajesh           | 20-02-2015 | Cricket                             | MIC College of Technology        | Winners      |
| 5                     | CH. Rajesh           | 12/2/2016  | Cricket                             | MIC College of Technology        | Winners      |
| 6                     | CH. Venkata Rajesh   | 11/2/2016  | Working model contest               | MIC College of Technology        | I Prize      |
| 7                     | A.N.S.V. Rayudu      | 26-03-2015 | Model Exhibition                    | MVR College of Engg & Tech       | I Prize      |
| 8                     | R. Venkatesh         | 26-03-2015 | Model Exhibition                    | MVR College of Engg & Tech       | I Prize      |
| 9                     | V.K. Tyothirmai      | 26-03-2015 | Model Exhibition                    | MVR College of Engg & Technology | I Prize      |
| 10                    | Maruthi              | 15-08-2016 | Spot Model                          | MIC College of Technology        | I Prize      |
| 11                    | A.N.S.V. Rayudu      | 19-02-2015 | Working model contest               | MIC College of Technology        | Participated |
| 12                    | Sai Teja             | 15-08-2016 | Spot Model                          | MIC College of Technology        | I Prize      |
| 13                    | V. Vyshnavi          | 12/2/2016  | Singing                             | MIC College of Technology        | I Prize      |
| 14                    | P. R. V Bala Krishna | 15-09-2016 | QUIZ                                | MIC College of Technology        | II Prize     |
| 15                    | G. Ramesh Babu       | 4/2/2016   | Inter collegiate Tournament 2015-16 | GEC, Gudlavalleru                | RUNNE R-UP   |

|    |                    |            |                       |                                  |              |
|----|--------------------|------------|-----------------------|----------------------------------|--------------|
| 16 | CH. Rajesh         | 20-02-2015 | Cricket               | MIC College of Technology        | Winners      |
| 17 | CH. Rajesh         | 12/2/2016  | Cricket               | MIC College of Technology        | Winners      |
| 18 | CH. Venkata Rajesh | 11/2/2016  | Working model contest | MIC College of Technology        | I Prize      |
| 19 | A.N.S.V. Rayudu    | 26-03-2015 | Model Exhibition      | MVR College of Engg & Tech       | I Prize      |
| 20 | R. Venkatesh       | 26-03-2015 | Model Exhibition      | MVR College of Engg & Tech       | I Prize      |
| 21 | V.K. Tyothirmai    | 26-03-2015 | Model Exhibition      | MVR College of Engg & Technology | I Prize      |
| 22 | Maruthi            | 15-08-2016 | Spot Model            | MIC College of Technology        | I Prize      |
| 23 | A.N.S.V. Rayudu    | 19-02-2015 | Working model contest | MIC College of Technology        | Participated |
| 24 | Sai Teja           | 15-08-2016 | Spot Model            | MIC College of Technology        | I Prize      |
| 25 | V. Vyshnavi        | 12/2/2016  | Singing               | MIC College of Technology        | I Prize      |

## 2014-15

| S.No | STUDENT DETAILS | DATE       | Program/Event                      | Awarded by                  | RESULT |
|------|-----------------|------------|------------------------------------|-----------------------------|--------|
| 1    | K.G.N.Hari      | 3&4-3-2015 | Techno Fest-PPt                    | Dhanekula Institute of Engg | Second |
| 2    | K.G.N.Hari      | 3&4-3-2015 | Techno Fest-Technical Quiz         | Dhanekula Institute of Engg | First  |
| 3    | K.Arun Kumar    | 20-2-2015  | 13 th Annual day celebrations-Skit | MIC College of Technology   | Second |

|    |                |                 |  |                             |         |
|----|----------------|-----------------|--|-----------------------------|---------|
| 4  | K.Arun Kumar   | 20-2-2015       | 13 th Annual day celebrations-Cricket  | MIC College of Technology   | Winners |
| 5  | G.Naresh       | 18&19-3-2015    | Techno Fest-Paper Presentation         | GIST                        | Winners |
| 6  | B.Seshu Babu   | 20-2-2015       | 13 th Annual day celebrations-Cricket  | MIC College of Technology   | Winners |
| 7  | B.Seshu Babu   | 20-2-2015       | 13 th Annual day celebrations-Skit     | MIC College of Technology   | Second  |
| 8  | K.Siva Kishore | 20-2-2015       | 13 th Annual day celebrations-Cricket  | MIC College of Technology   | Winners |
| 9  | A.Satish Kumar | 14 to 19-3-2015 | Inter Collegiate Tournaments-2014-2015 | JNTUK                       | Winners |
| 10 | S.Mahadevan    | 3&4-3-2015      | Techno Fest-Technical Quiz             | Dhanekula Institute of Engg | First   |
| 11 | N.Kiran Babu   | 3&4-3-2015      | Techno Fest-ppt                        | Dhanekula Institute of Engg | Second  |
| 12 | N.Kiran Babu   | 2/3/2015        | Techno Fest-ppt                        | SRKIT                       | First   |

24. List of eminent academicians and Scientists / visitors to the department : **NIL**

25. Seminars/ Conferences/Workshops organized & the source of funding

e) National

| S.No. | Academic Year | Workshop/ Seminar/ Guest lecture | Topic                                   | Resource person | Date(s) of event                    | Source of Funding |
|-------|---------------|----------------------------------|---|-----------------|-------------------------------------|-------------------|
| 1     | 2016-         | FDP                              | A Two day workshop on Advanced Software | Mr. Siva Raj    | 18 <sup>th</sup> & 19 <sup>th</sup> |                   |

|  |    |  |                                       |  |          |     |
|--|----|--|---------------------------------------|--|----------|-----|
|  | 17 |  | training in Civil Engineering (Etabs) |  | Nov 2016 | MIC |
|--|----|--|---------------------------------------|--|----------|-----|

f) 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 |        |
| 2012-16 | B.Tech                       | NA                    | 70   | 58       | 12     | 62%    |

\*M = Male \*F = Female

27. Diversity of Students :

| Name of the Course | % of students from the | % of students from other States | % of students from |
|--------------------|------------------------|---------------------------------|--------------------|
| UG                 | 100                    | 0                               | 0                  |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

| S.No | Academic Year | Name of the Competitive Exam | No. of Students Cleared |
|------|---------------|------------------------------|-------------------------|
| 1    | 2015-16       | APPGCET                      | 5                       |
|      |               | GATE                         | 1                       |
|      |               | IELTS                        | 3                       |

29. Student progression

| Student progression             | Against % enrolled |
|---------------------------------|--------------------|
| UG to PG                        | 10                 |
| Employed                        | 15                 |
| • Campus selection              | 30                 |
| • Other than campus recruitment |                    |

|                                  |    |
|----------------------------------|----|
| Entrepreneurship/Self-employment | 10 |
|----------------------------------|----|

| Academic Year | Total Strength | No. of students registered for placements | No. of students selected |
|---------------|----------------|---|--------------------------|
| 2015-16       | 63             | 15  | 10                       |

## 30. Details of Infrastructural facilities

## i) Library

**Plinth Area:** 36 sqmt

| Department     | Civil Engineering |
|----------------|-------------------|
| No. of books   | 126               |
| No. of volumes | -                 |

## j) Internet facilities for Staff &amp; Students :

Wi-Fi enabled in the campus. Internet speed of 40 Mbps BSNL broad band leased line is available

## k) Class rooms with ICT facility

| S.No | Purpose        | No. of rooms available | Facilities available   |
|------|----------------|------------------------|--|
| 1    | Lecture Halls  | 09                     | Adequate No of tables , benches, Fans, Tube lights LCD Projector, podium, Benches, Chalks & Duster |
| 2    | Tutorial rooms | -                      |  |

## l) Laboratories

| Curriculum Lab Description          | Exclusive use/Shared | Area sq.m | Capacity | Number of Experiments | Quality of Instruments | Lab Manuals |
|-------------------------------------|----------------------|-----------|----------|-----------------------|------------------------|-------------|
| Concrete Technology Lab             | Exclusive Use        | 170.89    | 36       | 14                    | GOOD                   | Available   |
| Engineering Geology                 | Exclusive Use        | 114       | 36       | 10                    | GOOD                   | Available   |
| Water & Waste water Engineering Lab | Exclusive Use        | 114       | 36       | 12                    | GOOD                   | Available   |



|   |               |        |    |    |      |           |
|---|---------------|--------|----|----|------|-----------|
| Geo- Technical Engineering Lab            | Exclusive Use | 132.87 | 36 | 12 | GOOD | Available |
| Surveying Lab                             | Exclusive     | 134    | 36 | 12 | GOOD | Available |
| Transportation Engineering Lab            | Exclusive Use | 88.58  | 36 | 12 | GOOD | Available |
| GIS & CAD Lab                             | Exclusive     | 123    | 36 | 12 | GOOD | Available |
| CAD Lab                                   | Exclusive     | 123    | 36 | 10 | GOOD | Available |
| Strength of Materials                     | Shared        | 113    | 36 | 12 | GOOD | Available |
| Fluid Mechanics & Hydraulic Machinery Lab | Shared        | 113    | 36 | 12 | GOOD | Available |

31. Number of students receiving financial assistance from college, university, government or other agencies

| S.No. | Academic Year | No. of Students | Financial assistance from college, university, government or other agencies |
|-------|---------------|-----------------|---|
| 1     | 2015-16       | 91              | Government (under fee reimbursement)  |
| 2     | 2014-15       | 94              | Government (under fee reimbursement)  |
| 3     | 2013-14       | 81              | Government (under fee reimbursement)  |
| 4     | 2012-13       | 46              | Government (under fee reimbursement)  |

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : **NIL**
33. Teaching methods adopted to improve student learning
- Effective student counseling.
  - Class Monitoring Committees.
  - Guest lectures by Academicians & Industrial Experts.

- Interaction with Alumni.
- Distribution of Course Handouts.
- Maintenance of course files.
- University results are critically analyzed and discussed at the faculty meeting. Follow-up actions are initiated.
- Add-on courses are conducted for the students of 3<sup>rd</sup>&4<sup>th</sup> years.
- Parents feedback is taken on academic performance of the students and
- Teaching and learning in parents meeting which will be conducted once in every academic year for improving the student performance.
- Medals and awards are constituted for attendance, best projects, academic results, GATE, Sports etc.
- Feedback on classroom teaching is being taken twice in a semester.
- Department conducts staff meetings for review of academics and other related works.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities  
List of NSS Activities Academic year wise are as follows

| Academic Year 2012-13 |   |                 |  |
|-----------------------|---|-----------------|--|
| S.No.                 | Title of the event                                    | Date            | Place                                      |
| 1.                    | 5 km RRally on “Importance of Blood Donation”         | 26-06-2012      | Kanchikacherla                             |
| 2.                    | Blood Donation camp                                   | 27-06-2012      | College seminar hall                       |
| 3.                    | Distribution of note books                            | 12-07-2012      | Perakalapadu                               |
| 4.                    | Day for Disabled                                      | 18-07-2012      | College seminar hall                       |
| 5.                    | Quit India Day  | 08 & 09-08-2012 | College seminar hall                       |
| 6.                    | NSS Foundation Day, Visit to oldage home              | 24-09-2012      | Devineni Venkata Ramana Ghat, Perakalapadu |
| 7.                    | Blood Grouping for all the students                   | 14-11-2012      | College seminar hall                       |
| 8.                    | Joy of giving week- help to jyothiswar with 5 km walk | 12-12-2014      | Nandigama                                  |
| 9.                    | Distribution of basic needs to children               | 2-1-2013        | Perakalapadu                               |

|                       |   |                         |                              |
|-----------------------|---|-------------------------|------------------------------|
| 10.                   | Youth festival  | 10, 11, 12-01-2013      | College seminar hall         |
| 11.                   | Blood Donation camp   | 10-01-2013              | College seminar hall         |
| 12.                   | Inauguration of Special camp and Micro Survey   | 11-02-2013              | Perakalapadu                 |
| 13.                   | Free Eye Check up Camp  | 12-02-2013              |                              |
| 14.                   | Clean& Hygiene - Awareness Rally on Plastic Usage                                     | 13-02-2013              |                              |
| 15.                   | Health Check up Camp for Children   | 15-02-2013              |                              |
| 16.                   | Literacy Programme for Middle Age People in the Village                               | 16-02-2013              |                              |
| 17.                   | BP, Sugar, & Heart Check up Camp  | 17-02-2013              |                              |
| 18.                   | Village Greenery & Valedictory  | 18-02-2013              |                              |
| Academic Year 2013-14 |   |                         |                              |
| S.No.                 | Title of the event  | Date                    | Place                        |
| 31.                   | Visit To Annamma School For Hearing And Physically Challenged, Kondapalli, Vijayawada | 21-06-2013              | Kondapalli                   |
| 32.                   | Blood Donation Camp   | 09-07-2013              | College seminar hall         |
| 33.                   | Fund Rising Programme For Uttarakhand Flood Victims                                   | 15-17 JULY 2013         | College campus               |
| 34.                   | 5km Walk  | 20-07-2013              | Jaggiahpet, Krishna District |
| 35.                   | Joy Of Giving Week<br>- Visit To Apple Orphanage<br>- Help To Sri Netra               | 02 - 08<br>OCTOBER 2013 | Gunadala, Vijayawada         |
| 36.                   | Free Dental Check-Up  | 14-11-2013              | College seminar hall         |
| 37.                   | Donation Of Notebooks   | 29-01-2014              | MPUP School                  |

|     |   |             |                             |
|-----|---|-------------|-----------------------------|
|     |   |             | Perakalapadu                |
| 38. | Visit To Mother's Home  | 14-02-2014  | Bhavanipuram,<br>Vijayawada |
| 39. | Free eye check up camp and literacy programme   | 12-02-2014  | Perakalapadu                |
| 40. | Tree Plantation   | 13-02-2014  |                             |
| 41. | Legal awareness camp & awareness on RTI act   | 14-02-2014  |                             |
| 42. | Health checkup for school children  | 15-02-2014: |                             |
| 43. | Literary, sports activities for school children   | 16-02-2014  |                             |
| 44. | General medical camp.   | 17-02-2014  |                             |
| 45. | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014  |                             |

**Academic Year 2014-15**

| S.no. | Title of the event                            | Date       | Place   |
|-------|---|------------|---|
| 46.   | Blood Grouping                                | 14-06-2014 | College seminar hall                              |
| 47.   | Donation Of Note Books                        | 05-07-2014 | Telugu And Urdhu Primary Schools At Pendyala      |
| 48.   | Donation Of Note Books                        | 08-07-2014 | Telugu And Urdhu Primary Schools At Pendyala Main |
| 49.   | Blood Donation Camp                           | 14-07-2014 | College Seminar hall                              |
| 50.   | Visit To Apple Foundation For Orphan Children | 19-09-2015 | Gunadala,<br>Vijayawada                           |

|     |   |                             |  |
|-----|---|-----------------------------|--|
| 51. | Fund Raising Program For Hud-Hud Flood Victims                      | 21-10-2014 to<br>23-10-2014 | College campus                             |
| 52. | Swachh Bharat Mission-Campus Clean And Green                        | 28-11-2014                  | College campus                             |
| 53. | Visit To Oldage Home & Swachh Bharat At Oldage Home                 | 05-12-2014                  | Devineni Venkata Ramana Ghat, Perakalapadu |
| 54. | Donation Ro Water Purifier Plant And Distribution Of Note Books     | 12-12-2014                  | MPUP School Perakalapadu                   |
| 55. | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup) | 20-03-2015                  | College Seminar hall                       |
| 56. | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)       | 05-04-2015                  | Siddhartha Academy Auditorium, Vijayawada  |

### 35. SWOC analysis of the department and Future plans

#### **Strength:**

- Quality education and securing good academic results.
- Student's active participation in model making and paper presentations.

#### **Weakness:**

- Retention of faculty in the department.
- Mismatch between industrial requirement and curriculum.

#### **Opportunities:**

- Increase opportunities to take up R&D projects and consultancy services.
- Growing demand for Civil Engineers.

#### **Constraints:**

- Decrease in quality of admissions due to mushrooming of engineering colleges and deemed Universities.
- Poor communications skills of the students from the rural area at the time of admissions.

## Evaluative Report

### Basic Engineering Department

1. Name of the department : Basic Engineering
2. Year of Establishment : 2002
3. Names of Programmes /Courses offered : I year B.Tech  
(CE,EEE,ME,ECE,CSE)
4. Names of Interdisciplinary courses and the departments/units involved

| S.No | Course   | Department | Year/Semester |
|------|--|------------|---------------|
| 1    | Engineering Drawing                            | ME         | I/I,I/II      |
| 2    | Engineering Mechanics                          | ME         | I/I,I/II      |
| 3    | Electrical & Mechanical Technology             | EEE        | I/II          |
| 4    | Basics of Electrical & Electronics Engineering | EEE        | I/II          |
| 5    | Elements of Mechanical Engineering             | ME         | I/II          |

5. Annual/ semester/choice based credit system (programme wise)
  - UG: B. Tech -
  - PG: M. Tech -
6. Participation of the department in the courses offered by other departments

| S.No | Course   | Year/Semester | Department served |
|------|--|---------------|-------------------|
| 1    | Mathematics Foundations for computer Science     | I/I           | CSE               |
| 2    | Probability and Statistics                       | I/I           | CE                |
| 3    | Complex Variables and stochastic process         | I/I           | EEE               |
| 4    | Probability and Statistics                       | I/II          | CSE               |
| 5    | Computational Mathematical Engineering           | I/I           | ME                |
| 6    | Discrete Mathematical Solutions and Graph Theory | I/I           | CSE               |
| 7    | Optimization Techniques                          | I/II          | CSE               |
| 8    | Probability and Statistics                       | I/II          | CSE               |

7. Courses in collaboration with other universities, industries, foreign institutions, etc.  
**NIL**
8. Details of courses/programmes discontinued (if any) with reasons. **NIL**

## 9. Number of Teaching posts

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 06         | 02     |
| Associate Professors | 12         | 06     |
| Assistant Professors | 34         | 44     |

## 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 Experi | No.of Ph.D. Students Guided for the Last 4years |
|-------|----------------------------|---------------|----------------------|----------------|-----------------------|---|
| 1     | Mr.Ch.VijayKumar           | M.Tech        | Associate. Professor | CSE            | 16                    | ---   |
| 2     | Dr. M. Sarath Babu         | Ph.D          | Professor            | Chemistry      | 37                    | 07  |
| 3     | Dr. B. Seshu               | Ph.D          | Professor            | Physics        | 25                    | ----  |
| 4     | Dr. P. V. SrinivasaRao     | Ph.D          | Associate. Professor | Mathemat       | 12                    | ----  |
| 5     | Dr .K.ThirumalaPrasad      | Ph.D          | Associate. Professor | Chemistry      | 12                    | ----  |
| 6     | Dr. K.Praveen              | Ph.D          | Associate. Professor | Chemistry      | 6                     | ----  |
| 7     | Dr. M. Srinivasa Reddy     | Ph.D          | Associate. Professor | Mathematic     | 14                    | ----  |
| 8     | Dr. A. Anupama             | Ph.D          | Associate. Professor | Mathematic     | 19                    | ----  |
| 9     | Mrs.V.Manjula              | M.Phil        | Asst.Professor       | Mathematic     | 20                    | ----  |
| 10    | Mrs. P. Lakshmi            | M.Phil        | Asst.Professor       | Mathematic     | 15                    | ----  |
| 11    | Mrs. M.Rupa Lavanya        | M.Sc          | Asst.Professor       | Mathematic     | 9                     | ----  |
| 12    | Mr. V. Rajesh              | M.Sc          | Asst.Professor       | Mathematic     | 9                     | ----  |
| 13    | Mr.G.Manikanta Suresh Babu | M.Sc          | Asst.Professor       | Mathematic     | 6                     | ----  |
| 14    | Mr. V. Ramanjaneyulu       | M.Phil        | Asst.Professor       | Mathematic     | 12                    | ----  |
| 15    | Mr. N. Ravi Babu           | M.Phil        | Asst.Professor       | Mathematic     | 12                    | ----  |
| 16    | Ms. G. Prabhavathi         | M.Sc          | Asst.Professor       | Mathematic     | 4                     | ----  |
| 17    | Mrs. K. L. Sarada          | M.Sc          | Asst.Professor       | Physics        | 17                    | ----  |
| 18    | Mr. LNVH Soma Sundar       | M.Sc          | Asst.Professor       | Physics        | 16                    | ----  |

|    |                            |                            |                |                      |    |      |
|----|----------------------------|----------------------------|----------------|----------------------|----|------|
| 19 | Mrs.Y. Kousalya Devi       | M.Sc                       | Asst.Professor | Physics              | 39 | ---- |
| 20 | Mr. P N V Kishore          | M.Sc                       | Asst.Professor | Physics              | 5  | ---- |
| 21 | Mr. Ch. Lakshmi Rajesh     | M.Sc,<br>M.Tech            | Asst.Professor | Physics              | 6  | ---- |
| 22 | Mr.G.AshokVardhan          | M.A.,<br>M.Phil.,<br>APSET | Asst.Professor | English              | 20 | ---- |
| 23 | Mr. V. Pawel               | M.A                        | Asst.Professor | English              | 17 | ---- |
| 24 | Mrs. Sujata Agarwal        | M.A                        | Asst.Professor | English              | 10 | ---- |
| 25 | Mrs. L. Uma                | M.A                        | Asst.Professor | English              | 25 | ---- |
| 26 | Mrs. A. LakshmiSowjanya    | M.A                        | Asst.Professor | English              | 7  | ---- |
| 27 | Ms. I.Gnaneswari           | M.A                        | Asst.Professor | English              | 5  | ---- |
| 28 | Mr. V. Bujji Babu          | M.A                        | Asst.Professor | English              | 8  | ---- |
| 29 | Mrs. B. Praveena           | M.A                        | Asst.Professor | English              | 7  | ---- |
| 30 | Ms.V.Suneetha              | M.A                        | Asst.Professor | English              | 4  | ---- |
| 31 | Mr.N.Gangadhar             | M.A                        | Asst.Professor | English              | 4  | ---- |
| 32 | Mrs.K. Jayasree            | M.A                        | Asst.Professor | English              | 23 | ---- |
| 33 | Mr.S. Bhavanicharan Prasad | M.Phil                     | Asst.Professor | Microbiology         | 17 | ---- |
| 34 | Mrs.Y. Pavani              | M.Sc                       | Asst.Professor | Chemistry            | 9  | ---- |
| 35 | Mrs.D S S Madhavi          | M.Sc                       | Asst.Professor | Chemistry            | 10 | ---- |
| 36 | Mr. K. Anil Kumar          | M.Sc                       | Asst.Professor | Chemistry            | 9  | ---- |
| 37 | Mr. K. Murali Mohan        | M.Sc                       | Asst.Professor | Chemistry            | 16 | ---- |
| 38 | Mr. Y. Kranthi Kumar       | M.Sc                       | Asst.Professor | Chemistry            | 5  | ---- |
| 39 | Ms S. Naga Rani            | M.Sc                       | Asst.Professor | Chemistry            | 3  | ---  |
| 40 | Mr G.Sudhir                | M.Tech                     | Asst.Professor | CSE                  | 12 | ---  |
| 41 | Mr.G.Devendra krishna      | MCA                        | Asst.Professor | Computer Application | 2  | ---  |
| 42 | Mrs.T.YVS.                 | MCA                        | Asst.Professor | Computer Application | 2  | ---  |
| 43 | N Madhavi                  | M.Sc                       | Asst Professor | Maths                | 5  | ---  |



|    |                    |        |                |            |    |     |
|----|--------------------|--------|----------------|------------|----|-----|
| 44 | A Vasuvinod Kumar  | B.Tech | Asst Professor | EEE        | 3  | --- |
| 45 | Mr N Nageswara Rao | BE     | Asst Professor | Mechanical | 40 | --- |
| 46 | T Sushma           | B.Tech | Asst Professor | ECE        | 3  | --- |
| 47 | A Krishna Priya    | B.Tech | Asst Professor | ECE        | 3  | --- |
| 48 | Y Subbalakshmi     | B.Tech | Asst Professor | Mechanical | 5  | --- |
| 49 | S Hemachandra      | B.Tech | Asst Professor | Mechanical | 2  | --- |
| 50 | M Sindhu           | B.Tech | Asst Professor | Mechanical | 1  | --- |
| 51 | Ch Soujanya        | B.Tech | Asst Professor | Mechanical | 2  | --- |
| 52 | P Sai Babu         | B.Tech | Asst Professor | Mechanical | 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 – 15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

| Post                      | Sanctioned | Filled |
|---------------------------|------------|--------|
| Support staff (Technical) | 3          | 3      |
| Administrative staff      | 2          | 2      |

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 (M.Tech / MA/ M.Com/ M.Sc/ MBA / MCA) | No.of faculty with UG (B.Tech) |
|------------------------------------|--------------------------|----------------------------|--|--------------------------------|
| NIL                                | 05                       | 06                         | 32   | 09                             |

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:

| S.No | Name of the Faculty        | No. of Publications | Monographs | Chapter in books | Books edited | Books with ISBN/ISSN numbers | Citation Index | SNIP (Source Normalized Impact per Person) | SJK (Scimago Journal Rank) | No. of Publications With Impact factor | No. of Publications with h-index |
|------|----------------------------|---------------------|------------|------------------|--------------|------------------------------|----------------|--|----------------------------|--|----------------------------------|
| 1    | Mr.Ch.Vijaya Kumar         | 3                   | -          | -                | -            | -                            | -              | -  | -                          | 2                                      | -                                |
| 2    | Dr. M. Sarath Babu         | 18                  | -          | -                | -            | -                            | -              | -  | -                          | 18                                     | -                                |
| 3    | Dr. B. Seshu               | 5                   | -          | -                | -            | -                            | 11             | 1.409                                      | 1.034                      | 5                                      | 2                                |
| 4    | Dr. P. V. Srinivasa Rao    | 21                  | -          | -                | 1            | 978-3-                       | 25             | -  | -                          | 10                                     | -                                |
| 5    | Dr .K.Thirumala Prasa      | 11                  | -          | -                | -            | -                            | 117            | 0.734                                      | 0.639                      | 11                                     | 07                               |
| 6    | Dr. K.Praveen              | 8                   | -          | -                | -            | -                            | -              | -  | -                          | 8                                      | -                                |
| 7    | Dr. M. Srinivasa Reddy     | 6                   | -          | -                | -            | -                            | -              | -  | -                          | 4                                      | -                                |
| 8    | Dr. A. Anupama             | 3                   | -          | -                | -            | -                            | -              | -  | -                          | 3                                      | -                                |
| 9    | Mrs.V.Manjula              | 15                  | -          | -                | -            | -                            | -              | -  | -                          | 7                                      | -                                |
| 10   | Mrs. P. Lakshmi            | 5                   | -          | -                | -            | -                            | -              | -  | -                          | 3                                      | --                               |
| 11   | Mrs. M.Rupa                | 1                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 12   | Mr. V. Rajesh              | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 13   | Mr.G.Manikanta Suresh Babu | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 14   | Mr. V. Ramanjaneyulu       | 4                   | -          | -                | -            | -                            | -              | -  | -                          | 4                                      | -                                |
| 15   | Mr. N. Ravi Babu           | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 16   | Ms. G.                     | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 17   | Mrs. K. L. Sarada          | 3                   | -          | -                | -            | -                            | -              | -  | 0.611                      | 3                                      | -                                |
| 18   | Mr. LNVH Soma Sankar       | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 19   | Mrs.Y. Kousalya Devi       | -                   | -          | -                | -            | -                            | ---            | ---  | --                         | ---                                    | ---                              |
| 20   | Mr. P N V Kishore          | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |

|    |                         |    |    |     |    |   |   |   |   |   |   |
|----|-------------------------|----|----|-----|----|---|---|---|---|---|---|
| 21 | Mr. Ch. Lakshmi Rajesh  | -  | -  | -   | -  | - | - | - | - | - | - |
| 22 | Mr.G.AshokVardhan       | 7  | -  | -   | -  | - | - | - | - | - | - |
| 23 | Mr. V. Pawel            | 1  | -- | --- | -- |   |   |   |   |   |   |
| 24 | Mrs. Sujata Agarwal     | -  | -  | -   | -  | - | - | - | - | - | - |
| 25 | Mrs. L. Uma             | 5  | -  | -   | -  | - | - | - | - | - | - |
| 26 | Mrs. A. LakshmiSowjanya | -- | -  | -   | -  | - | - | - | - | - | - |
| 27 | Ms. I.Gnaneswari        | -  | -  | -   | -  | - | - | - | - | - | - |
| 28 | Mr. V. Bujji Babu       | 3  | -  | -   | -  | - | - | - | - | - | - |
| 29 | Mrs. B. Praveena        | 4  | -  | -   | -  | - | - | - | - | - | - |
| 30 | Ms.V.Suneetha           | 1  | -  | -   | -  | - | - | - | - | - | - |
| 31 | Mr.N.Gangadhar          | -  | -  | -   | -  | - | - | - | - | - | - |
| 32 | Mrs.K. Jayasree         | -  | -  | -   | -  | - | - | - | - | - | - |
| 33 | Mr.S. Bhavanicharan     | 5  | -  | -   | -  |   | - |   |   | 5 |   |
| 34 | Mrs.Y. Pavani           | -  | -  | -   | -  | - | - | - | - | - | - |
| 35 | Mrs.D S S Madhavi       | 1  | -  | -   | -  | - | - | - | - | - | - |
| 36 | Mr. K. Anil Kumar       | 1  | -  | -   | -  | - | - | - | - | - | - |
| 37 | Mr. K. Murali Mohan     | -  | -  | -   | -  | - | - | - | - | - | - |
| 38 | Mr. Y. Kranthi Kumar    | 1  | -  | -   | -  | - | - | - | - | - | - |
| 39 | Ms S. Naga Rani         | -  | -  | -   | -  | - | - | - | - | - | - |
| 40 | Mr G.Sudhir             | -  | -  | -   | -  | - | - | - | - | - | - |
| 41 | Mr.G.Devendra krishna   | -  | -  | -   | -  | - | - | - | - | - | - |

|    |                        |   |   |   |   |   |   |   |   |   |   |
|----|------------------------|---|---|---|---|---|---|---|---|---|---|
| 42 | Mrs.T.YVS.<br>Subbachi | - | - | - | - | - | - | - | - | - | - |
| 43 | N Madhavi              | - | - | - | - | - | - | - | - | - | - |
| 44 | A Vasuvino<br>Kumar    | - | - | - | - | - | - | - | - | - | - |
| 45 | Mr N Nageswara<br>Rao  | - | - | - | - | - | - | - | - | - | - |
| 46 | T Sushma               | - | - | - | - | - | - | - | - | - | - |
| 47 | A Krishna Priya        | - | - | - | - | - | - | - | - | - | - |
| 48 | Y Subbalakshmi         | - | - | - | - | - | - | - | - | - | - |
| 49 | S Hemachandra          | - | - | - | - | - | - | - | - | - | - |
| 50 | M Sindhu               | - | - | - | - | - | - | - | - | - | - |
| 51 | Ch Soujanya            | - | - | - | - | - | - | - | - | - | - |
| 52 | P Sai Babu             | - | - | - | - | - | - | - | - | - | - |

20. Areas of consultancy and income generated. **NIL**

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

| S.No | Sector associated | Name of the Faculty   | Professional body | Membership number |
|------|-------------------|-----------------------|-------------------|-------------------|
| 1    | Editorial Boards  | Dr P.V. Srinivasa Rao | IJSIMR            | ARC Publishers    |
|      |                   |                       | IJMSET            | ASRF              |

22. Student projects

Percentage of students who have done in-house projects including inter departmental/programme: **NIL**

Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **NIL**

23. Awards / Recognitions received by faculty and students

Faculty : **NIL**

Students : **NIL**

## 24. List of eminent academicians and scientists / visitors to the department .

| Academic year | Name of the academician/scientist | Designation  | Program organized            |
|---------------|-----------------------------------|--------------|------------------------------|
| 2016-2017     | N Nani Babu                       | Sr.Scientist | Value Based Education System |

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding

## g) National

| Academic Year | Date       | Description of the Seminar/Guest Lecture |
|---------------|------------|--|
| 2016-2017     | 22-06-2016 | Value based education                    |
| 2014-2015     | 23-8-2014  | Work shop on Food Adultration            |

## h) International. NIL

## 26. Student profile programme/course wise:

| Name of the Course/programme | No of candidates appeared | No of candidates passed | Pass percentage |
|------------------------------|---------------------------|-------------------------|-----------------|
| 2015-16(I BTech I Sem)       | 644                       | 246                     | 38.2            |
| 2015-16(I BTech II Sem)      | 633                       | 239                     | 36.49           |
| 2014-15(I BTech I Sem)       | 694                       | 320                     | 46.11           |
| 2014-15(I BTech II Sem)      | 686                       | 309                     | 45.04           |
| 2013-14(I BTech I Sem)       | 590                       | 334                     | 56.61           |
| 2013-14(I BTech II Sem)      | 578                       | 362                     | 62.63           |

## 27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students From Abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Tech             | 100%                              | --                              | --                        |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?
29. Student progression
30. Details of Infrastructural facilities

**b) Library: Plinth area 35sqm.**

| No.of Titles | No. of Volumes | No. Of Computers | No. of E-journals | No. of E-Books | No.of Print Journals |
|--------------|----------------|------------------|-------------------|----------------|----------------------|
|              | 253            | 04               |                   |                |                      |

**b. Internet facilities for Staff & Students:**

10 Mbps broad band leased line from BSNL

20 Mbps NME (National Mission for Education through Information & Communication Technology), 4 Broad Band connections of 512 Kbps.

**c. Class rooms with ICT facility:** LCD Projectors with Bluetooth, Wi-Fi Internet, Laptops, Animated Videos

**d) Laboratories:**

| S.No | Name of the laboratory                    | Area (Sqm) | Total Investments (INR) |
|------|---|------------|-------------------------|
| 1    | Engineering/Applied Physics Laboratory    | 131        | 4,95,450                |
| 2    | Engineering/Applied Chemistry Laboratory  | 131        | 3,50,000                |
| 3    | English Communication Skills Laboratory-1 | 114        | 29,00,097               |
| 4    | English Communication Skills Laboratory-2 | 114        | 24,01,266               |
| 5    | C Programming/IT Workshop Lab             | 114        | 27,56,972               |

31. Number of students receiving financial assistance from college, university, government or other agencies.

| Sl. No | Academic Year | Course UG/PG | No. of Students | Financial assistance from                    |
|--------|---------------|--------------|-----------------|--|
| 1      | 2013-2014     | UG           | 384             | Government (Under Fee Re-imbursement scheme) |
| 2      | 2014-2015     | UG           | 437             |  |
| 3      | 2015-2016     | UG           | 435             |  |

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

33. Teaching methods adopted to improve student learning

- Counseling students regularly
- Power point presentations/Video lectures/OHPs are arranged to the students by the concerned faculty.
- Tutorial classes are conducted to improve the problem solving skills
- Conducting class tests
- Conducting remedial classes for slow learners to improve their academic performance
- Assignments are given to students
- Giving notes to the complicated subjects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

➤ **NSS activities**

Involving students as volunteers for conducting

| S.No.            | Title of The Event                | Date       | Place                     |
|------------------|-----------------------------------|------------|---------------------------|
| <b>2016-2017</b> |                                   |            |                           |
| 1.               | Distribution of note books        | 08-07-2016 | MPUP School, Perakalapadu |
| 2.               | Distribution of note books        | 19-07-2016 | MPP School, Pendyala      |
| 3.               | Vanam Manam, Plantation Programme | 04-08-2016 | Perakalapadu              |
| 4.               | Blood Donation Camp               | 09-08-2016 | College Seminar Hall      |

|                  |  |                          |  |
|------------------|--|--------------------------|--|
| 5.               | Voluntering for Krishna Pushkaras                        | 12-08-2016 to 23-08-2016 | Pavitrasangamam ghat, Ibrahimpatnam ferri  |
| 6.               | Visit to Oldage home on NSS foundation day               | 24-09-2016               | Amma Nanna Oldage home, Satyanarayanapuram, Kethanakonda                         |
| <b>2015-2016</b> |  |                          |  |
| 7.               | Distribution of note books                               | 15-07-2015               | MPP School, Pendyala   |
| 8.               | Distribution of note books                               | 23-07-2015               | MPUP School, Perakalapadu  |
| 9.               | Blood Donation Camp                                      | 12-08-2015               | College Seminar Hall   |
| 10.              | Visit to Oldage home<br>Birthday of Mother Teresa        | 26-08-2015               | Khasim and Khasim oldage home, Nandigama and Sai Netra Oldage home, Perakalapadu |
| 11.              | Birth anniversary Celebrations of Dr.APJ Abdul Kalam     | 15-10-2015               | College Campus   |
| 12.              | Visit to Annamma Special School for Dumb and Deaf        | 31-12-2015               | Ibrahimpatnam  |
| 13.              | Republic day celebrations                                | 26-01-2016               | College campus   |
| 14.              | Visit to Apple Foundation for Orphan Children            | 06-02-2016               | Gunadala, Vijayawada   |
| 15.              | Free dental checkup camp                                 | 25-02-2016               | College seminar hall   |
| 16.              | Joy of Giving  | 03-04-2016               | MPUP School, Perakalapadu  |
| 17.              | Free Dental Checkup Camp for Villagers & School Children | 09-03-2016               | MPUP School, Perakalapadu  |
| 18.              | Free Eye Checkup Camp for Villagers & School Children    | 10-03-2016               | MPUP School, Perakalapadu  |
| 19.              | Tree Plantation in the village                           | 11-03-2016               | MPUP School, Perakalapadu  |



|                  |   |                             |   |
|------------------|---|-----------------------------|---|
| 20.              | Genaral Health Checkup for Villagers & School Children  | 12-03-2016                  | MPUP School, Perakalapadu                         |
| 21.              | Medical Camp with Children specialist   | 13-03-2016                  | MPUP School, Perakalapadu                         |
| 22.              | Sports Day  | 14-03-2016                  | MPUP School, Perakalapadu                         |
| 23.              | Valedictory, Distribution of spectacles to villagers, distribution of prizes to children and School Anniversary | 15-03-2016                  | MPUP School, Perakalapadu                         |
| 24.              | Distribution of footwear and caps to MPUP School Children   | 05-05-2016                  | MPUP School, Perakalapadu                         |
| <b>2014-2015</b> |   |                             |   |
| 25.              | Blood Grouping  | 14-06-2014                  | College seminar hall                              |
| 26.              | Donation Of Note Books  | 05-07-2014                  | Telugu And Urdhu Primary Schools At Pendyala      |
| 27.              | Donation Of Note Books  | 08-07-2014                  | Telugu And Urdhu Primary Schools At Pendyala Main |
| 28.              | Blood Donation Camp   | 14-07-2014                  | College Seminar hall                              |
| 29.              | Visit To Apple Foundation For Orphan Children   | 19-09-2015                  | Gunadala, Vijayawada                              |
| 30.              | Fund Raising Program For Hud-Hud Flood Victims  | 21-10-2014 to<br>23-10-2014 | College campus                                    |
| 31.              | Swatchh Bharat Mission- Campus Clean And Green  | 28-11-2014                  | College campus                                    |
| 32.              | Visit To Oldage Home & Swachh Bharat At Oldage Home   | 05-12-2014                  | Devineni Venkata Ramana Ghat, Perakalapadu        |
| 33.              | Donation Ro Water Purifier Plant And Distribution Of Note Books   | 12-12-2014                  | MPUP School Perakalapadu                          |

|                  |   |                      |   |
|------------------|---|----------------------|---|
| 34.              | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup)                   | 20-03-2015           | College Seminar hall                      |
| 35.              | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)                         | 05-04-2015           | Siddhartha Academy Auditorium, Vijayawada |
| <b>2013-2014</b> |   |                      |   |
| 36.              | Visit To Annamma School For Hearing And Physically Challenged, Kondapalli, Vijayawada | 21-06-2013           | Kondapalli                                |
| 37.              | Blood Donation Camp   | 09-07-2013           | College seminar hall                      |
| 38.              | Fund Rising Programme For Uttarakhand Flood Victims                                   | 15-17 JULY 2013      | College campus                            |
| 39.              | 5km Walk  | 20-07-2013           | Jaggiahpet, Krishna District              |
| 40.              | Joy Of Giving Week<br>- Visit To Apple Orphanage<br>- Help To Sri Netra               | 02 - 08 OCTOBER 2013 | Gunadala, Vijayawada                      |
| 41.              | Free Dental Check-Up  | 14-11-2013           | College seminar hall                      |
| 42.              | Donation Of Notebooks   | 29-01-2014           | MPUP School Perakalapadu                  |
| 43.              | Visit To Mother's Home  | 14-02-2014           | Bhavanipuram, Vijayawada                  |
| 44.              | Free eye check up camp and literacy programme   | 12-02-2014           | Perakalapadu                              |
| 45.              | Tree Plantation   | 13-02-2014           |   |
| 46.              | Legal awareness camp & awareness on RTI act   | 14-02-2014           |   |
| 47.              | Health checkup for school children  | 15-02-2014:          |   |
| 48.              | Literary, sports activities for   | 16-02-2014           |   |

|           |   |                    |  |
|-----------|---|--------------------|--|
|           | school children   |                    |  |
| 49.       | General medical camp.   | 17-02-2014         |  |
| 50.       | Distribution of spectacles to villagers, distribution of prizes to children and Valedictory | 18-02-2014         |  |
| 2012-2013 |   |                    |  |
| 51.       | 5 km Rally on “Importance of Blood Donation”  | 26-06-2012         | Kanchikacherla                             |
| 52.       | Blood Donation camp   | 27-06-2012         | College seminar hall                       |
| 53.       | Distribution of note books  | 12-07-2012         | Perakalapadu                               |
| 54.       | Day for Disabled  | 18-07-2012         | College seminar hall                       |
| 55.       | Quit India Day  | 08 & 09-08-2012    | College seminar hall                       |
| 56.       | NSS Foundation Day, Visit to oldage home  | 24-09-2012         | Devineni Venkata Ramana Ghat, Perakalapadu |
| 57.       | Blood Grouping for all the students   | 14-11-2012         | College seminar hall                       |
| 58.       | Joy of giving week- help to jyothiswar with 5 km walk                                       | 12-12-2014         | Nandigama                                  |
| 59.       | Distribution of basic needs to children   | 2-1-2013           | Perakalapadu                               |
| 60.       | Youth festival  | 10, 11, 12-01-2013 | College seminar hall                       |
| 61.       | Blood Donation camp   | 10-01-2013         | College seminar hall                       |
| 62.       | Inauguration of Special camp and Micro Survey   | 11-02-2013         | Perakalapadu                               |
| 63.       | Free Eye Check up Camp  | 12-02-2013         |  |
| 64.       | Clean& Hygiene - Awareness  | 13-02-2013         |  |

|     |   |            |  |
|-----|---|------------|--|
|     | Rally on Plastic Usage                                  |            |  |
| 65. | Health Check up Camp for Children                       | 15-02-2013 |  |
| 66. | Literacy Programme for Middle Age People in the Village | 16-02-2013 |  |
| 67. | BP, Sugar, & Heart Check up Camp                        | 17-02-2013 |  |
| 68. | Village Greenery & Valedictory                          | 18-02-2013 |  |

35. SWOC analysis of the department and Future plans

**Strengths:**

- Qualified and experienced faculty with good retention.
- Well equipped laboratories.

**Weaknesses:**

- Boys hostel not available
- Low participation in active research
- Conduction of fewer workshops

**Opportunities:**

- Digitalized class rooms

**Constraints:**

- Quality of intake due to rural and urban background.

## Evaluative Report

### Department of Management Studies

1. Name of the Department: *Department of Management Studies*
2. Year of Establishment: **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

**PG: *Master of Business Administration (MBA)***

4. Names of Interdisciplinary courses and the departments/units involved:

| S. No. | Name of the Subject                      | Year / Sem | Department Involved |
|--------|--|------------|---------------------|
| 1      | Managerial communication and soft Skills | I/I        | BED                 |
| 2      | Information Technology lab               | I/I        | CSE                 |

5. Annual/ semester/choice based credit system (programme wise)

***MBA - (Master of Business Administration) - Semester based credit system – Electives in III & IV semesters.***

6. Participation of the department in the courses offered by other departments:

| S. No | Name of the Course                            | Year/Sem | Departments Offered    |
|-------|---|----------|------------------------|
| 1     | Managerial Economics and Financial Analysis   | II/I     | B.Tech (Mech, ECE,CSE) |
| 2     | Managerial Economics and Financial            | II/II    | B.Tech- Civil          |
| 3     | Managerial Economics and Financial            | III/I    | B.Tech- EEE            |
| 4     | Management Science                            | II/II    | B.Tech- ECE            |
| 5     | Management Science                            | III/II   | B.Tech- EEE            |
| 6     | Management Science                            | IV/II    | B.Tech- CSE            |
| 7     | Intellectual Property Rights                  | III/I    | B.Tech- Civil, EEE,    |
| 8     | Intellectual Property Rights                  | III/II   | B.Tech- CSE            |
| 9     | Industrial Management                         | III/I    | DME                    |
| 10    | Industrial Management                         | III/II   | DEE, DEC               |
| 11    | Accounting for Managers                       | I/I      | MCA                    |
| 12    | Organisation Structure & Personnel Management | I/II     | 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:

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professor            | 3          | 2      |
| Associate Professors | 6          | 5      |
| Assistant Professors | 15         | 15     |

10. Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.):

| S. No | Name                    | Qualification               | Designation      | Specialization         | No. of years of experience | No. of Ph.D. Students guided for the last 4 years |
|-------|-------------------------|-----------------------------|------------------|------------------------|----------------------------|---|
| 1     | Prof. T S Nageswara Rao | BE(Civil), M.S, FIIMA, Ph.D | Professor        | Marketing              | 39                         |   |
| 2     | Dr.K.Venkateswara Rao   | MBA, M.Com, Ph.D            | Professor        | Marketing & CMA        | 38                         |   |
| 3     | C V V D Sreekanth       | MBA, M.Tech, (Ph.D)         | Asoc.Prof, & HOD | Marketing              | 21                         |   |
| 4     | J.V.Ramana              | M.Sc., MMM, M.Phil, (Ph.D)  | Asoc.Prof        | Marketing & Statistics | 11                         |   |
| 5     | Dr. G Prasanna Kumar    | MBA, Ph.D                   | Asoc.Prof        | Finance & Marketing    | 7                          |   |
| 6     | S.A.Azeem               | MBA (Ph.D)                  | Asoc.Prof        | Marketing              | 18                         |   |
| 7     | P.Vasavi                | MBA, M.Phil, M.Com,         | Asoc.Prof        | Finance                | 15                         |   |
| 8     | K Jagadeswari           | MBA (Ph.D)                  | Asst.Prof        | HR &                   | 7                          |   |
| 9     | L Mohana Kumari         | MBA                         | Asst.Prof        | HR & Finance           | 8                          |   |
| 10    | B Gayatri               | MBA                         | Asst.Prof        | HR & Marketing         | 6                          |   |
| 11    | P Guru Prasad           | MBA                         | Asst.Prof        | HR & Marketing         | 9                          |   |
| 12    | M.Aruna Kumari          | MBA                         | Asst.Prof        | HR & Marketing         | 18                         |   |
| 13    | T Nagendra kumar        | MBA, LL.B., (M.Phil)        | Asst.Prof        | HR & Marketing         | 7                          |   |
| 14    | A V B Sankar            | MBA                         | Asst.Prof        | Finance &              | 1.5                        |   |

|    |                      |     |            |                |     |  |
|----|----------------------|-----|------------|----------------|-----|--|
| 15 | S Santosh Kumar      | MBA | Asst.Prof  | HR &           | 2.3 |  |
| 16 | A Ranjith Kumar      | MBA | Asst.Prof  | International  | 1.5 |  |
| 17 | B Jyothsna           | MBA | Asst.Prof  | HR             | 11  |  |
| 18 | Ch Sahyaja           | MBA | Asst. Prof | HR Finance     | 2.5 |  |
| 19 | N Chamundeswari Devi | MBA | Asst. Prof | Finance        | 5   |  |
| 20 | Mr G V M Siva Kumar  | MBA | Asst. Prof | HR & Marketing | 3   |  |
| 21 | G Divya Sree         | MBA | Asst. Prof | Finance & HR   | 2   |  |
| 22 | A Rama               | MBA | Asst. Prof | Finance &      | 3   |  |

11. List of senior visiting faculty: **NIL**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student -Teacher Ratio (programme wise)

PG - 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

| Post                      | Sanctioned | filled |
|---------------------------|------------|--------|
| Support staff (Technical) | 1          | 1      |
| Administrative staff      | 1          | 1      |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

| S.No | Qualification | No. of Faculty |
|------|---------------|----------------|
| 1    | Ph.D          | 3              |
| 2    | M,Phil        | 2              |
| 3    | PG            | 17             |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

18. Research Centre /facility recognized by the University: **NIL**

19. Publications (last 4 years):

| S.No | Name of the Faculty     | No. of Publications | Monographs | Chapter in books | Books edited | Books with ISBN/ISSN numbers | 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    | Prof. T S Nageswara Rao | 2                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 2    | CVVD Sreekanth          | 3                   | -          | -                | -            | -                            | -              | -  | -                          | 3                                      | -                                |
| 3    | Dr.K.Venkateswara Rao   | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 4    | J.V. Ramana             | 4                   | -          | -                | -            | 2                            | -              | -  | -                          | 2                                      | -                                |
| 5    | S.A.Azeem               | 2                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 6    | P.Vasavi                | 2                   | -          | -                | -            | 2                            | -              | -  | -                          | -                                      | -                                |
| 7    | Jagadeswari             | 2                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 8    | Dr. G Prasanna Kumar    | 1<br>2              | -          | -                | -            | 12                           | 2              | -  | -                          | 5                                      | -                                |
| 9    | L Mohana Kumari         | 4                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 10   | B Gayatri               | 4                   | -          | -                | 1            | 2                            | -              | -  | -                          | 1                                      | -                                |
| 11   | P Guru Prasad           | -                   | -          | -                | -            | 3                            | 3              | -  | -                          | 2                                      | -                                |
| 12   | M.Aruna kumari          | 1                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 13   | T Nagendra kumar        | 4                   | -          | -                | -            | -                            | 1              | -  | -                          | 3                                      | -                                |
| 14   | A V B Sankar            | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 15   | S Santosh Kumar         | 1                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 16   | B Ranjith Kumar         | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 17   | B Jyothna               | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 18   | Ch Sahyaja              | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 19   | N Chamundeswari         | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 20   | G V M Siva Kumar        | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 21   | G Divya Sree            | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |
| 22   | A Rama                  | -                   | -          | -                | -            | -                            | -              | -  | -                          | -                                      | -                                |

**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: **100%**

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:

| S.No | Academic Year | Name(s) of the student(s) | Event participated                            | Prize |
|------|---------------|---------------------------|---|-------|
| 1    | 2016-17       | Srinivasa Rao             | Spoorthi -2016 (Market Makers)                | I     |
| 2    | 2016-17       | Meeravali                 | Spoorthi -2016 (Market Makers)                | II    |
| 3    | 2016-17       | A Swathi,                 | Spoorthi -2016 (Young Manager)                | I     |
| 4    | 2015-16       | P Jithendra Kumar         | Vikalpa -2016 (Business Quiz)                 | II    |
| 5    | 2015-16       | P Jithendra Kumar         | Vikalpa -2016 (Market Makers)                 | I     |
| 6    | 2015-16       | Ch Sirisha                | Vikalpa -2016                                 | II    |
| 7    | 2015-16       | D Supraja                 | Vikalpa -2016 (Business Quiz)                 | II    |
| 8    | 2015-16       | A Swathi,                 | Vikalpa-2016(Business Idea), PPT              | I     |
| 9    | 2015-16       | A Swathi,                 | Vikalpa -2016 (Young Manager)                 | I     |
| 10   | 2015-16       | M Sai Krishnanjali        | Vikalpa -2016 (Business Quiz)                 | II    |
| 11   | 2015-16       | R Siva Ranjani            | Vikalpa -2016 (Business Quiz)                 | I     |
| 12   | 2015-16       | Ch Venkateswarlu          | Explorers Meet -2K16 (Stock Game)             | I     |
| 13   | 2015-16       | Vinay Sai Charan          | LAKSHYA – 2K15 (PPT)                          | I     |
| 14   | 2015-16       | K Prasanthi               | LAKSHYA – 2K15 (PPT)                          | II    |
| 15   | 2014-15       | K Prasanthi               | SAMYUKTHA – 2K15(Business Quiz)               | II    |
| 16   | 2014-15       | Sk Reshma                 | SAMYUKTHA – 2K15(Business Quiz)               | II    |
| 17   | 2014-15       | K Prem Swaroop            | SAMYUKTHA – 2K15(Business Quiz)               | II    |
| 18   | 2012-13       | Mr J V Ramana (Faculty)   | Best teacher award from the college           | NA    |
| 19   | 2012-13       | Anusha (II MBA)           | Gandhi Jayanthi Day.                          | II    |
| 20   | 2012-13       | V Bhavana                 | E-Plus Club Challenge 2013 (Group Discussion) | II    |
| 21   | 2011-13       | K Durga Chaitanya Prasad  | Gold Medalist                                 |       |

|    |         |                      |               |  |
|----|---------|----------------------|---------------|--|
| 22 | 2012-14 | Ms RPashyanthi       | Gold Medalist |  |
| 23 | 2013-15 | Ms M Revathi<br>Devi | Gold Medalist |  |

**24. List of eminent academicians and scientists/ visitors to the department:**

| S.No | Academic year | Name of the academician/scientist | Designation   | Program organized                                       |
|------|---------------|-----------------------------------|---|---|
| 1.   | 2014-2015     | Mr.Hrish Thota                    | Senior manager social computing, Happiest minds technology, Bangalore         | Guest lecture on digital marketing                      |
| 2.   | 2014-2015     | Mr Sasi Kanchi                    | Business Intelligence consultant, Dept. of Health, Govt. of Australia         | Guest lecture on Time & Stress Management               |
| 3.   | 2014-2015     | Mr.Sravan Kilaru                  | Social activist, Hyderabad  | Guest lecture on Youth in Politics                      |
| 4.   | 2014-2015     | Mr G Sudarshan                    | Trainer, NSIC- National Small Scale Industrial Corporation                    | Guest lecture on startup small scale industries         |
| 5.   | 2014-2015     | Dr.M.S.Narayana                   | Prof & Head of mgt studies, Narasaraopeta engineering college. Narasaraopeta. | To deliver guest lecture on placements.                 |
| 6.   | 2013-2014     | Md Zakir Hussian                  | MD ARTHA institution Vijayawada   | Guest lecture on online trading.                        |
| 7.   | 2013-2014     | Mr J.S.Moses,                     | Advisor, RBI, Bombay  | Indian Fiscal System.                                   |
| 8.   | 2012-2013     | Md Zakir Hussian                  | MD ARTHA institution Vijayawada   | Guest lecture on online trading.                        |
| 9.   | 2012-2013     | Mr RaviKanth,                     | Asst Manager, Amity Info Centre, Vijayawada                                   | Employability Skills                                    |
| 10.  | 2012-2013     | Mr.Sundip Dutta                   | Founder & CEO Aporv.com Bombay  | Inauguration of MIC Business Incubation Centre (MICBIC) |

|     |           |                     |  |  |
|-----|-----------|---------------------|--|--|
| 11. | 2012-2013 | Mr. Sharma          | Area Manager, MIC Electronics, Hyderabad           | Solar Home lighting System.                                  |
| 12. | 2011-2012 | Md Zakir Hussian    | MD of ARTHA institution, Vijayawada                | Guest lecture on online trading.                             |
| 13. | 2011-2012 | Mr. R Satyanarayana | DVR & Dr. HS MIC College of Technology, Vijayawada | Guest lecture on Financial planning for young Investors-SEBI |
| 14. | 2010-2011 | Md Zakir Hussian    | MD of ARTHA institution, Vijayawada                | Guest lecture on online trading.                             |

## 25. Seminars/ Conferences/Workshops organized & the source of funding:

### a) National

| S.No | Year | Name of activity | Source of funding |
|------|------|------------------|-------------------|
| 1    | 2010 | AAGAMA-10        | MICT              |
| 2    | 2010 | ULYSESS-10       | MICT, MIMIC       |
| 3    | 2011 | AAGAMA-11        | MICT              |
| 4    | 2011 | CONCURSO-11      | MICT, MIMIC       |
| 5    | 2012 | AAGAMA-12        | MICT              |
| 6    | 2012 | CONCURSO-12      | MICT, MIMIC       |
| 7    | 2013 | AAGAMA-13        | MICT              |
| 8    | 2013 | CONCURSO-13      | MICT, MIMIC       |
| 9    | 2014 | AAGAMA-14        | MICT              |
| 10   | 2014 | CONCURSO-14      | MICT, MIMIC       |
| 11   | 2015 | AAGAMA-15        | MICT              |
| 12   | 2015 | CONCURSO-15      | MICT, MIMIC       |
| 13   | 2016 | AAGAMA-16        | MICT              |
| 14   | 2016 | CONCURSO-16      | MICT, MIMIC       |

### b) International

| S.No | Year | Name of activity | Source of funding |
|------|------|------------------|-------------------|
| -    | -    | -                | -                 |

**26. Student profile programme/course wise:**

| Year    | Name of the Course / Programme | Applications Received  | Selected (No of Admitted including Lateral Entry) | Enrolled |        | Pass Percentage |
|---------|--------------------------------|--|---|----------|--------|-----------------|
|         |                                |  |   | Male     | Female |                 |
| 2015-17 | MBA                            | All application are received & admission are finalized by AP state Higher Education Council through web counseling | 132   | 91       | 41     |                 |
| 2014-16 | MBA                            |  | 125   | 71       | 54     | 78%             |
| 2013-15 | MBA                            |  | 109   | 67       | 42     | 79%             |
| 2012-14 | MBA                            |  | 137   | 94       | 43     | 82%             |
| 2011-13 | MBA                            |  | 52  | 28       | 24     | 94%             |
| 2010-12 | MBA                            |  | 60  | 34       | 26     | 90%             |
| 2009-11 | MBA                            |  | 51  | 28       | 23     | 90%             |
| 2008-10 | MBA                            |  | 60  | 36       | 24     | 77%             |

**27. Diversity of Students:**

| Year of Admission | Name of the Course | % of the students from the same state | % of the students from the other states | % of the students from abroad |
|-------------------|--------------------|---------------------------------------|---|-------------------------------|
| 2016-17           | MBA                | 100%                                  | 0                                       | 0                             |
| 2015-16           | MBA                | 100%                                  | 0                                       | 0                             |
| 2014-15           | MBA                | 100%                                  | 0                                       | 0                             |
| 2013-14           | MBA                | 100%                                  | 0                                       | 0                             |
| 2012-13           | MBA                | 100%                                  | 0                                       | 0                             |
| 2011-12           | MBA                | 100%                                  | 0                                       | 0                             |
| 2010-11           | MBA                | 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 |         |         |         |
|-------------------------------------|--------------------------|---------|---------|---------|
|                                     | 2013-14                  | 2014-15 | 2015-16 | 2016-17 |
| GATE                                | -                        | -       | -       | -       |
| Civil Services                      | -                        | -       | -       | -       |
| Defence Services                    | -                        | -       | -       | -       |
| SLET                                | -                        | -       | -       | -       |
| NET                                 | -                        | -       | -       | -       |
| GRE                                 | -                        | -       | -       | -       |
| IELTS/TOEFL                         | -                        | -       | -       | -       |
| Public Sectors                      | -                        | -       | -       | -       |
| State Services                      | -                        | -       | -       | -       |

### 29. Student Progression

| Student progression              |                               | Against % enrolled |           |           |          |           |
|----------------------------------|-------------------------------|--------------------|-----------|-----------|----------|-----------|
|                                  |                               | 2011-12            | 2012-13   | 2013-14   | 2014-15  | 2015-16   |
| UG to PG                         |                               |                    |           |           |          |           |
| PG to M.Phil.                    |                               | NA                 | NA        | NA        | NA       | NA        |
| PG to Ph.D.                      |                               | NIL                | NIL       | NIL       | NIL      | NIL       |
| Ph.D. to Post-Doctoral           |                               | NA                 | NA        | NA        | NA       | NA        |
| <b>Employed</b>                  | Campus selection              | <b>93</b>          | <b>24</b> | <b>29</b> | <b>7</b> | <b>61</b> |
|                                  | Other than campus recruitment | -                  | -         | -         | -        | -         |
| Entrepreneurship/Self-employment |                               | <b>9</b>           | <b>8</b>  | <b>5</b>  | <b>6</b> | <b>3</b>  |

### 30. Details of Infrastructural facilities:

- a) Library: Plinth Area: NA
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Yes
- d) Laboratories

| S.No | Name of the Laboratory | Area(Sq.ft) | Total Investment (Rs.) |
|------|------------------------|-------------|------------------------|
| 1    | IT Workshop            | 140 Sq.Mts  | Rs 1703860             |

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

| S.No. | Academic Year | No. of Students | Financial assistance from college, university, government or other agencies |
|-------|---------------|-----------------|---|
| 1     | 2015-16       | 204             | Government  |
| 2     | 2014-15       | 185             | Government  |
| 3     | 2013-14       | 112             | Government  |
| 4     | 2012-13       | 113             | Government  |

**32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:**

| Year    | Title of the Programme                   | Workshop/ Seminar/ Guest lecture | Date(s) of event | No Benefited |
|---------|--|----------------------------------|------------------|--------------|
| 2015-16 | Online trading and financial markets     | Guest Lecture                    | 12-04-16         | 205          |
| 2015-16 | Arrow power                              | Guest Lecture                    | 15-03-16         | 230          |
| 2015-16 | Time & Stress Management                 | Guest Lecture                    | 14-03-16         | 195          |
| 2015-16 | Project Management                       | Guest Lecture                    | 18-02-16         | 189          |
| 2015-16 | Entrepreneurship Skills                  | Guest Lecture                    | 16-09-15         | 129          |
| 2014-15 | Financial Markets                        | Guest Lecture                    | 09-04-15         | 145          |
| 2014-15 | Digital Marketing                        | Seminar                          | 08.09.14         | 165          |
| 2014-15 | Resume Preparation and interview process | Guest Lecture                    | 02-09-14         | 166          |
| 2013-14 | On line trading                          | Guest lecture                    | 13-11-13         | 175          |
| 2013-14 | Indian Fiscal System                     | Guest Lecture                    | 13-09-13         | 185          |
| 2013-14 | Functions of RBI                         | Guest Lecture                    | 25-07-13         | 185          |
| 2012-13 | Employability Skills                     | Seminar                          | 04-04-13         | 100          |
| 2012-13 | Solar home lighting system               | Seminar                          | 24-12-12         | 98           |
| 2012-13 | On line trading                          | Guest lecture                    | 02-11-12         | 86           |

**33. Teaching methods adopted to improve student learning:**

- Black board teaching in all class rooms.
- Teaching through visual aids like power point presentation/ /Video lectures.

- Conducting presentations & Group discussions to improve communication skills among Students.
- Involving Students in market surveys to impact real time market exposure.
- Organizing various events under departmental students association MIMIC, thereby imbuing organizing skills among students.
- Encouraging students to deliver seminars on subject related topics.
- Arranging workshops/guest lecturers to students inviting eminent personalities from academic institutions and Industry.
- Organizing Industrial Visits.
- Conducting Brain storming sessions.
- Case study method employed. Case studies are real and imperfect examples of corporate challenges that gives an opportunity to see theory put into practice.
- The department employs role play techniques to get students into the mindset of case characters and simulate boardroom interactions.
- Conducting management Games. This will encourage strategic interaction among the students, whose decisions affect each other.
- In-class simulation method. In-class simulation helps the students to learn by doing.

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**

| Year    | Name of the Activity                                  | Venue  | Date(s)                        |
|---------|---|--|--------------------------------|
| 2014-15 | Blood Grouping  | College seminar hall                             | 14-06-2014                     |
|         | Donation of Note Books                                | Telugu And Urdu Primary Schools At Pendyala      | 05-07-2014                     |
|         | Donation of Note Books                                | Telugu And Urdu Primary Schools At Pendyala Main | 08-07-2014                     |
|         | Blood Donation Camp                                   | College Seminar hall                             | 14-07-2014                     |
|         | Visit To Apple Foundation For Orphan Children         | Gunadala, Vijayawada                             | 19-09-2015                     |
|         | Fund Raising Program For Hud-Hud Flood Victims        | College campus                                   | 21-10-2014<br>to<br>23-10-2014 |
|         | Swatch Bharat Mission-Campus Clean And Green          | College campus                                   | 28-11-2014                     |
|         | Visit to Old age Home & Swatch Bharat at Old age Home | Devineni Venkata Ramana Ghat, Perakalapadu       | 05-12-2014                     |

|         |   |   |                 |
|---------|---|---|-----------------|
|         | Donation Ro Water Purifier Plant And Distribution Of Note Books     | MPUP School, Perakalapadu                 | 12-12-2014      |
|         | Free Dental Checkup And Blood Grouping Camp. (550 Students Checkup) | College Seminar hall                      | 20-03-2015      |
|         | Concert For A Cause(1,50,000.00 Fund Raise For Solar Village)       | Siddhartha Academy Auditorium, Vijayawada | 05-04-2015      |
| 2013-14 | Visit to Annamma School for Hearing and Physically Challenged       | Kondapalli, Vijayawada                    | 21-06-2013      |
|         | Blood donation camp   | DVR &HS MIC College of Technology         | 09-07-2013      |
|         | Fund rising programme for Uttarakhand flood victims                 | DVR &HS MIC College of Technology         | 15-17 JULY 2013 |
|         | 5KM walk  | Jaggiahpet, Krishna District              | 20-07-2013      |
|         | Joy of giving week  |   | 02-08-2013      |
|         | Free dental check-up camp   | DVR &HS MIC College of Technology         | 14-11-2013      |
|         | Donation of notebooks to MPUP school children                       | Perakalapadu                              | 29-01-2014      |
| 2012-13 | 5KM rally on "Importance of Blood Donation                          | Kanchikacherla                            | 26-06-2012      |
|         | Blood donation camp   | DVR &HS MIC College of Technology         | 27-06-2012      |
|         | Distribution of note books, bags and foot wear                      | Perakalapadu                              | 12-07-2012      |
|         | Day for disabled  | DVR &HS MIC College of Technology         | 18-07-2012      |
|         | Quit India day celebrations   | DVR &HS MIC College of Technology         | 09-08-2012      |
|         | NSS foundation day  | DVR &HS MIC College of Technology         | 24-09-2012      |
| 2011-12 | Distribution of School Bags   | Perakalapadu                              | 23-06-2010      |
|         | Blood donation  | DVR & HS MIC College of Technology        | 26-06-2010      |
|         | Sadbhavan Diwas   | DVR &HS MIC College of Technology         | 20-8-2010       |
|         | Eye checkup   | Vijayawada                                | 04-01-2011      |



### 35. SWOC analysis of the department and Future plan

#### Strengths:

- All faculties have innate commitment to quality, dedication, positive moral and work ethics.
- There is a strong bondage and high level of interaction between faculty and students.
- Department has its Student association 'MIMIC-Management Impulse of MIC' and regularly conducts student centric programs & events.
- Ratified Faculty.
- Well Equipped class rooms.

#### Weaknesses:

- The students focus on scoring more percentage while industry is stressing on knowledge base.
- Students enrolled come with —Spoon-fed type of education system.
- The students could not able to reach the requirements of the corporate industry.

#### Opportunities:

- New trends in teaching methods and multi-disciplinary
- Advancement in professional education facilities of e-learning systems.
- Good opportunities are ahead as this area comes under state capital & CRDA.
- Scope for the Startup of more industries in the college region.
- The department of MBA is achieving more than 95% pass percentage, realizing the objectives of the department.

#### Challenges:

- Diversity in organizational objectives.
- Increasing employability in core industries.
- Changing trends in recruitment patterns.
- Competition from new and emerging B-Schools in and around CRDA Region.

#### Future plans:

- To sign Memorandum of Understanding (MOU) with Industries for Research projects and consultancy.
- To Increase research activities in the department
- To organize Faculty Development Programmes effectively

## Evaluative Report

### Master of Computer Applications

1. Name of the department : Master of Computer Applications
2. Year of Establishment : 2004
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters: Integrated Ph.D., etc.)

***PG Program*** : ***Master of Computer Applications***

4. Names of Inter disciplinary courses and the departments/units involved

| S. No | Name of the Course                                | Year/Sem | Department Involved |
|-------|---|----------|---------------------|
| 1     | Computer Organization                             | I/I      | ECE                 |
| 2     | Probability and Statistical Applications          | I/I      | BED                 |
| 3     | Discrete Mathematical Structures and Graph Theory | I/I      | BED                 |
| 4     | Accounting and Financial Management               | I/I      | DMS                 |
| 5     | English Language Communication Skills Lab         | I/I      | BED                 |
| 6     | Digital Logic and Computer Organization Lab       | I/I      | ECE                 |
| 7     | Optimization Techniques                           | I/II     | BED                 |

5. Annual/ semester/ choice based credit system (programme wise)

c) MCA: Semester based credit system – Electives in 4<sup>th</sup> and 5<sup>th</sup> semesters.

6. Participation of the department in the courses offered by other departments

| S. No | Name of the Course            | Year/Sem   | Departments Offered |
|-------|-------------------------------|------------|---------------------|
| 1     | Computer Programming          | I/I - I/II | BED                 |
| 2     | Cyber Laws                    | IV/I       | ECE/CSE             |
| 3     | Interactive Computer Graphics | IV/II      | Mechanical          |

|   |                   |       |     |
|---|-------------------|-------|-----|
| 4 | Computer Networks | III/I | ECE |
| 5 | IT LAB            | I/I   | MBA |

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **-NIL-**

8. Details of courses/ programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts

| Designation          | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors           | 01         | 00     |
| Associate Professors | 02         | 02     |
| Assistant Professors | 09         | 06     |

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 4years |
|-------|---------------------------|----------------|--------------|----------------|---------------------------|--|
| 1     | Dr. K. Vijaya Sri         | M. Tech, Ph.D  | Assoc. Prof. | CSE            | 15                        | -  |
| 2     | Mr. D. Durga Prasad       | M. Tech (Ph.D) | Assoc. Prof  | CSE            | 16                        | -  |
| 3     | Ms.V. Srilakshmi          | M. Tech (Ph.D) | Asst. Prof.  | CSE            | 10                        | -  |
| 4     | Ms. V Lakshmi Chetana     | M. Tech        | Asst. Prof.  | CSE            | 7                         | -  |
| 5     | Ms. J Yamini Siva Lakshmi | MCA            | Asst. Prof.  | CSE            | 2                         | -  |
| 6     | Mr. D. Sarath Babu        | M.Tech         | Asst. Prof.  | CSE            | 2                         | -  |
| 7     | Mr. V. Prabhakar          | MCA            | Asst. Prof.  | CSE            | 3                         | -  |
| 8     | Ms. K. Srilakshmi         | MCA            | Asst. Prof.  | CSE            | 3                         | -  |

11. List of senior visiting faculty : **-NIL-**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary Faculty : **-NIL-**

13. Student-Teacher Ratio (programme wise)

**PG – 15:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and Filled –NIL-

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

| S.No | Qualification | No. of Faculty |
|------|---------------|----------------|
| 1    | D.Sc / D.Litt | NIL            |
| 2    | Ph.D          | 01             |
| 3    | M.Tech/MCA    | 07             |

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:

## a) Publication per faculty

| S.No | Name of the Faculty       | No. of Publications | Monographs | Chapter in Books | Books Edited | Books with ISBN /ISSN numbers with details of publishers | Citation Index | SNIP (Source Normalized Impact per Person) | SJR (Schmago Journal Rank) | No.of Publications With Impact factor | No.of Publications with h index |
|------|---------------------------|---------------------|------------|------------------|--------------|--|----------------|--|----------------------------|---------------------------------------|---------------------------------|
| 1    | Dr. K. Vijaya Sri         | 8                   | --         | -                | -            | 2  | 2              | 2  | 1                          | 5                                     | 03                              |
| 2    | Mr. D. Durga Prasad       | 6                   | --         | -                | 1            | 1  | 6              | -  | -                          | 3                                     | 2                               |
| 3    | Ms.V. Srilakshmi          | 3                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |
| 4    | Ms. V Lakshmi Chetana     | 4                   | -          | -                | -            | 4  | 5              | -  | -                          | 4                                     | 1                               |
| 5    | Ms. J Yamini Siva Lakshmi | -                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |
| 6    | Mr. D. Sarath Babu        | -                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |
| 7    | Mr. V. Prabhakar          | -                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |
| 8    | Ms. K. Srilakshmi         | -                   | -          | -                | -            | -  | -              | -  | -                          | -                                     | -                               |

20. Areas of consultancy and income generated – **NIL** -

## 21. Faculty as members in

## a) National committees b) International Committees c) Editorial Boards....

| Name of faculty       | Name of the International Committee/Board            |
|-----------------------|--|
| Dr. K. Vijaya Sri     | Local Organizing Committee Member, IC3T-16           |
| Mr D Durga Prasad     | Local Organizing Committee, Transport Chair- IC3T-16 |
| Ms V Srilakshmi       | Local Organizing Committee Member, IC3T-16           |
| Ms. V Lakshmi Chetana | Local Organizing Committee Member, IC3T-16           |

## 22. Student projects

- c) Percentage of students who have done in-house projects including inter departmental /Programme: -NIL -
- d) Percentage of students placed for projects in organizations outside the institution i.e.in  
Research Laboratories /Industry/ other agencies: NIL

## 23. Awards/ Recognitions received by faculty and students

| LIST OF GOLD MEDAL WINNERS |            |                     |               |
|----------------------------|------------|---------------------|---------------|
| S.NO.                      | REGD NO    | NAME OF THE STUDENT | ACADEMIC YEAR |
| 1                          | 13H71F0005 | A.Venu Gopal        | 2016-2017     |
| 2                          | 12H71F0014 | L. Prasanthi        | 2015-2016     |
| 3                          | 11H71F0016 | K. Devi Durga       | 2014-2015     |
| 4                          | 10H71F0010 | U.Durga             | 2013-2014     |

**Winners in National Technical Events**

| S.No | Academic Year | Name(s) of the student(s)   | Event participated      | Prize           |
|------|---------------|---|-------------------------|-----------------|
| 1    | 2012-13       | M. Venu Gopal   | Spot Photography, ASIST | 1 <sup>st</sup> |
| 2    |               | J V Ganesh<br>M. Venu Gopal<br>G Venkateswara Rao<br>M V Ravi Kanth | Medha, LBRCE            | 2 <sup>nd</sup> |
| 3    |               | M. Venu Gopal   | Movie Quiz, ASIST       | 2 <sup>nd</sup> |

**Faculty Awards**

| S. No | Name of Faculty   | Academic Year | Name of the Award  |
|-------|-------------------|---------------|--------------------|
| 1     | Ms. K. Vijaya Sri | 2012-13       | Best Teacher Award |

## 24. List of eminent academicians and scientists/visitors to the department

| Academic year | Name of the academician/scientist | Designation             | Program organized             |
|---------------|-----------------------------------|-------------------------|-------------------------------|
| 2016-17       | Dr J V R Murthy                   | JNTUK Kakinada          | International Conference IC3T |
|               | Dr J V Somayajulu                 | NIT Warangal            |                               |
|               | Dr Suresh Chandra Satapati        | ANITS Vizag             |                               |
|               | Dr B K Panigrahi                  | IIT Delhi               |                               |
|               | Dr Sk Udgata                      | University of Hyderabad |                               |
|               | Dr Arunkumar Thangavelu           | VIT Vellure             |                               |

|         |                         |                                |   |
|---------|-------------------------|--------------------------------|---|
| 2014-15 | Mr. Md. Abdulla         | WEVIO -INDIA                   | Seminar on Career Objectives                                    |
|         | Mr. KS Mohan            | TCS Chennai                    | A Seminar on How to crack TCS interview process                 |
| 2013-14 | Project Manager         | NIIT, Vijayawada               | A Seminar on “Orientation on SDLC”                              |
|         | Mr. Hemath Alluri       | Indian apple solutions Limited | “Workshop on APPLE iOS”   |
|         | Mr. T Sri Rama Subbarao | TEKTRAKS                       | Orientation on “Emerging Technologies and Projects Development” |
| 2012-13 | Mr.Srinivas Subba Rao   | Project Manager                | Guest Lecture on “Recent Trends in Software Development”        |
|         | KVSG Murali Krishna     | JNTU Kakinada                  | Personality Development   |

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 / program | Applications received | Selected (Number Admitted including Lateral Entry) | Enrolled |        | Pass % |
|---------|------------------------------|-----------------------|--|----------|--------|--------|
|         |                              |                       |  | Male     | Female |        |
| 2010-13 | MCA                          | *                     | 59   | 22       | 37     | 91.2%  |
| 2011-14 |                              | *                     | 49   | 24       | 25     | 95.7%  |
| 2012-15 |                              | *                     | 26   | 21       | 5      | 100%   |
| 2013-16 |                              | *                     | 5  | 3        | 2      | 67%    |

\*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 |
|-------------------|--------------------|-----------------------------------|---------------------------------|---------------------------|
| 2016-17           | MCA                | 100                               | 0                               | 0                         |
| 2015-16           |                    | 0                                 | 0                               | 0                         |
| 2014-15           |                    | 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.? -NIL-

29. Student Progression

| Student progression              | Against % enrolled |
|----------------------------------|--------------------|
| PG to M.Phil.                    | Nil                |
| PG to Ph.D                       | --                 |
| Ph.D.to Post-Doctoral            | Nil                |
| <b>Employed</b>                  |                    |
| • Campus selection               | 40%                |
| • Other than campus recruitment  | 27%                |
| Entrepreneurship/Self-employment | 5%                 |

30. Details of Infrastructural facilities (Sharing with CSE Dept)

a) Library: 25 sq. meters

| No. of Titles | No. of Volumes | No. of e-Journals | No. of Printed Journals |
|---------------|----------------|-------------------|-------------------------|
| 227           | 285            | 82                | 15                      |

b) Internet facilities for Staff & Students:

- 10 Mbps Internet facility is provided for staff in their respective cabins.
- Internet facility is provided for students in labs.

c) Class rooms with ICT facility

- Projector facility is available for Class rooms
- Internet facility is available for Class rooms

d) Laboratories

- Projector facility is available
- Internet facility is available in labs.
- Department has 1 laboratory.
- Department has a sufficient laboratories that suit the curriculum.

| S.No | Name of the Laboratory | Area(Sq.Ft) | Total Investment (Rs) |
|------|------------------------|-------------|-----------------------|
| 1    | IT Workshop            | 140 Sq.Mts  | Rs 1703860            |



31. Number of students receiving financial assistance from college, university, Government or other agencies

| S.No. | Academic Year | No. of Students | Financial assistance from college, university, government or other agencies |
|-------|---------------|-----------------|---|
| 1     | 2015-16       | 14              | Government  |
| 2     | 2014-15       | 39              | Government  |

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

| S.No. | Academic Year | Event Description   | Beneficiary | Name of the Resource Person | Designation / Company          |
|-------|---------------|---|-------------|-----------------------------|--------------------------------|
| 1     | 2014-15       | Seminar on Career Objectives                                    | MCA         | Md. Abdulla                 | WEVIO - INDIA                  |
| 2     |               | A Seminar on How to crack TCS interview process                 | MCA         | KS Mohan                    | TCS Chennai                    |
| 3     | 2013-14       | A Seminar on "Orientation on SDLC"                              | MCA         | Project Manager             | NIIT, Vijayawada               |
| 4     |               | "Workshop on APPLE iOS"   | MCA         | Hemath Alluri               | Indian apple solutions Limited |
| 5     | 2012-13       | Orientation on "Emerging Technologies and Projects Development" | MCA         | T Sri Rama Subbarao         | TEKTRAKS                       |
| 6     |               | Personality Development   | MCA         | KVSG Murali Krishna         | JNTU Kakinada                  |
| 7     |               | Guest Lecture on "Recent Trends in Software Development"        | MCA         | Mr.Srinivas Subba Rao       | Project Manager                |

33. Teaching methods adopted to improve student learning

Faculty members adopt various teaching methods to cater to the needs of the entire spectrum of students in a particular class. The following are the frequently used teaching methods by the faculty:

- Lectures Interspersed With Discussion
- Demonstration
- Group Assignments/Projects
- Presentations
- Conduct of remedial classes for slow learners

- Guest Lecture, Seminar, Workshops on Advanced Topics

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

The Department actively participates in the activities organized by National Service Scheme of the organization. We adhere to the calendar proposed by the NSS unit in addition to various activities conducted by the department.

| 2015-16 |  |                              |            |
|---------|--|------------------------------|------------|
| S. No   | Name of Activity   | No. of Students Participated | Date(s)    |
| 1       | Food and Stationary provided to Apple Foundation Orphan Children regarding Joy of Giving | 01                           | 06-02-2016 |

#### 35. SWOC analysis of the department and Future plans

##### Strengths

- Experienced and Qualified Faculty
- Faculty Retention
- State of the art Infrastructure
- Higher Studies

##### Weakness

- Quality of Research to be improved

##### Opportunities

- Scope to enhance and strengthen internal and external collaborations with respect to industry institute Interaction and alumni.
- Higher Job Opportunities in IT

##### Challenges

- Meeting the current Industry needs without compromising fundamentals
- Rapid evolution of technologies in IT

##### Future Plans:

- Improving the campus placements in the Multi National Companies
- Enhancing Research activities in the department
- Organize and participate in national and international events

# **Declaration & Annexures**



Devineni Venkata Ramana & Dr. Hima Sekhar  
**MIC College of Technology**

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An ISO 9001: 2008  
 Certified Institute

### Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Place : Kanchikacherla

Date : 27-01-2017



*[Signature]*

Signature of the Head of the Institution  
 with seal:

**Dr.Y. SUDHEER BABU, Ph.D, IITM**  
**PRINCIPAL**

Devineni Venkata Ramana & Dr. Himasekhar  
**MIC College of Technology**  
 KANCHIKACHERLA, Krishna District

## Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Devineni Venkata Ramana & Dr. Himasekhar MIC College of Technology fulfils all norms

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

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

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

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

Place: Kanchikacherla

Date: 27.01.2017



Principal/Head of the Institution

(Name and Signature with Office seal)

**Dr.Y. SUDHEER BABU, Ph.D,IITM**  
**PRINCIPAL**

Devineni Venkata Ramana & Dr. Himasekhar  
**MIC College of Technology**  
KANCHIKACHERLA, Krishna District

## Annexure-I

Grams: "TECHNOLOGY"  
Email: [chs\\_eee@yahoo.co.in](mailto:chs_eee@yahoo.co.in)  
[registrar@jntuk.edu.in](mailto:registrar@jntuk.edu.in)



O: 0884-2300900  
F: 0884-2300901

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA – 533003, Andhra Pradesh, INDIA**  
(Established by Andhra Pradesh Act No.30 of 2008)

Proc.No. B1/Affi/Devineni VR & Dr. HS MIC CT/2016-17 Date: 1.11.2016

Sub: JNTU Kakinada – Academic & Planning – Grant of Temporary Affiliation for the academic year 2016-17 to **"Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District, Andhra Pradesh"** – Orders – Issued.

Read: 1. Univ. Proc. No. DAP/B1/Affiliation/FFC/2015-16, dated 26.3.2016.  
2. AICTE F. No. South Central Region/1-2813541821/2016/EOA dt. 25.4.2016.

\*\*\*

**ORDER:**

1. The "Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District, Andhra Pradesh" was given temporary affiliation for running degree course during the academic year 2016-17 vide Procs.(1) read above.
2. The AICTE, New Delhi and Government of AP have accorded extension of approval to the above college for the academic year 2016-17 vide ref.(2) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructures facilities of the college to consider the grant of Temporary affiliation for the academic year 2016-17. The Fact Finding Committee has visited the college and submitted its report to the University Affiliation Committee. The Committee has verified the report and other documents and made recommendations for affiliation for the academic year 2016-17.
3. **Temporary Affiliation** is hereby granted to "Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District, Andhra Pradesh" sponsored by Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District, Andhra Pradesh to offer UG & PG Course for the Academic Year 2016-17 as detailed below:-

*Contd...2p*



--2--

| S. No | Name of the Course                                 | Intake |
|-------|--|--------|
| 1     | Computer Science & Engineering                     | 180    |
| 2     | Electronics & Communication Engineering            | 180    |
| 3     | Electrical & Electronics Engineering               | 120    |
| 4     | Mechanical Engineering                             | 180    |
| 5     | Civil Engineering                                  | 120    |
| 6     | M.Tech-Computer Science & Engineering              | 36     |
| 7     | M.Tech – Digital Electronics & Communication Engg. | 36     |
| 8     | M.Tech – Machine Design                            | 18     |
| 9     | M.Tech – Power Electronics                         | 18     |
| 10    | M.Tech – Power Electronics & Drives                | 24     |
| 11    | M.Tech – VLSI & Embedded Systems                   | 24     |
| 12    | MBA  | 180    |
| 13    | MCA  | 60     |

The temporary affiliation shall be subject to the following conditions:


1. The management shall follow the norms of AICTE and rules of the affiliation of JNT University Kakinada in all aspects.
2. The management shall follow the Academic Regulations and examination schedule of JNT University Kakinada.

REGISTRAR i/c  
 REGISTRAR  
 J.N.T. University Kakinada  
 KAKINADA-533 007

To  
 The Principal,  
 Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology,  
 Kanchikacherla, Krishna District, Andhra Pradesh.

Copy to:  
 The Chairman/Secretary, Devineni Venkata Ramana & Dr. Hima Sekhar MIC College of Technology, Kanchikacherla, Krishna District.  
 The Principal Secretary to Government Higher Education (EC.2) Dept., Govt. of Andhra Pradesh, Secretariat, Hyderabad.  
 The Secretary, A.P. State Council of Higher Education, Saifabad, Hyderabad-4.  
 The Commissioner of Technical Education, SBRKR Govt. Office Complex, Hyderabad.  
 The Secretary, All India Council for Technical Education, New Delhi – 110002.  
 Copy to the Director of Evaluation, JNTU Kakinada.  
 Copy to the Director of Academics & Planning, JNTU Kakinada.  
 Copy to P.A. to Chairman, Andhra Pradesh State Council of Higher Education.  
 Copy to the PA to the Vice-Chancellor, JNTU Kakinada.  
 Copy to the PA to the Registrar, JNTU Kakinada.

## Annexure-II



**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/1-2813541821/2016/EOA Date: 25-Apr-2016

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 2016-17**

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

|                           |  |                       |  |
|---------------------------|--|-----------------------|--|
| Regional Office           | South-Central  | Application Id        | 1-2813541821   |
| Name of the Institute     | DEVINENI VENKATA RAMANA & DR.HIMA SEKHAR MIC COLLEGE OF TECHNOLOGY | Permanent Id          | 1-6048681  |
| Name of the Society/Trust | DEVINENI VENKATA RAMANA & DR HIMA SEKHAR MIC COLLEGE OF TECHNOLOGY | Institute Address     | DVR & DR HS MIC COLLEGE OF TECHNOLOGY KANCHIKACHERLA-521 180 KRISHNA DISTRICT ANDHRA PRADESH, KANCHIKACHERLA, KRISHNA, Andhra Pradesh, 521180  |
| Institute Type            | Unaided - Private  | Society/Trust Address | DVR & DR HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA-521 180 KRISHNA DISTRICT ANDHRA PRADESH, KANCHIKACHERLA, KRISHNA, Andhra Pradesh, 521180 |

|   |                |                          |                |                          |                |
|---|----------------|--------------------------|----------------|--------------------------|----------------|
| Opted for change from Women to Co-ed and Vice versa | No             | Opted for change of name | No             | Opted for change of site | No             |
| Change from Women to Co-ed approved and Vice versa  | 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 2016-17

| Application Id: 1-2813541821 |       |       | Course | Full/Part Time | Affiliating Body | Intake 2015-16 | Intake Approved for 2016-17 | NTI Approval status | PIO / FN / Gulf quota Approval status | Foreign Collaboration/Twinning Program Approval status |
|------------------------------|-------|-------|--------|----------------|------------------|----------------|-----------------------------|---------------------|---------------------------------------|--|
| Program                      | Shift | Level |        |                |                  |                |                             |                     |                                       |  |
|                              |       |       |        |                |                  |                |                             |                     |                                       |  |

Application Number: 1-2813541821  
Note: This is a Computer generated Report.No signature is required.  
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Letter Printed On: 25 April 2016





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)

|                            |           |                |   |           |   |     |     |    |    |    |
|----------------------------|-----------|----------------|---|-----------|---|-----|-----|----|----|----|
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | COMPUTER SCIENCE AND ENGINEERING                  | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 36  | 36  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | DIGITAL ELECTRONICS AND COMMUNICATION ENGINEERING | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 36  | 36  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | MACHINE DESIGN                                    | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 18  | 18  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | POWER ELECTRONICS                                 | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 18  | 18  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | POWER ELECTRONICS AND DRIVES                      | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 24  | 24  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | POST GRADUATE  | VLSI AND EMBEDDED SYSTEMS                         | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 24  | 24  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | UNDER GRADUATE | CIVIL ENGINEERING                                 | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 120 | 120 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | UNDER GRADUATE | COMPUTER SCIENCE AND ENGINEERING                  | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 180 | 180 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | UNDER GRADUATE | ELECTRICAL AND ELECTRONICS ENGINEERING            | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 120 | 120 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 1st Shift | UNDER GRADUATE | ELECTRONICS & COMMUNICATION ENGINEERING           | FULL TIME | Jawaharlal Nehru Technological University, Kakinada | 180 | 180 | NA | NA | NA |

Application Number: 1-2813541821

Note: This is a Computer generated Report.No signature is required.

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Letter Printed On:26 April 2016



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)

|                            |           |               |   |           |  |     |     |    |    |    |
|----------------------------|-----------|---------------|---|-----------|--|-----|-----|----|----|----|
| ENGINEERING AND TECHNOLOGY | 1st Shift | UNDERGRADUATE | MECHANICAL ENGINEERING                  | FULL TIME | Jawaharlal Nehru Technological University, Kakinada        | 180 | 180 | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 2nd Shift | DIPLOMA       | CIVIL ENGINEERING                       | FULL TIME | State Board of Technical Education and Training, Hyderabad | 60  | 60  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 2nd Shift | DIPLOMA       | ELECTRICAL AND ELECTRONICS ENGINEERING  | FULL TIME | State Board of Technical Education and Training, Hyderabad | 60  | 60  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 2nd Shift | DIPLOMA       | ELECTRONICS & COMMUNICATION ENGINEERING | FULL TIME | State Board of Technical Education and Training, Hyderabad | 60  | 60  | NA | NA | NA |
| ENGINEERING AND TECHNOLOGY | 2nd Shift | DIPLOMA       | MECHANICAL ENGINEERING                  | FULL TIME | State Board of Technical Education and Training, Hyderabad | 60  | 60  | NA | NA | NA |
| MANAGEMENT                 | 1st Shift | POSTGRADUATE  | BUSINESS ADMINISTRATION                 | FULL TIME | Jawaharlal Nehru Technological University, Kakinada        | 180 | 180 | NA | NA | NA |
| MCA                        | 1st Shift | POSTGRADUATE  | MASTERS IN COMPUTER APPLICATIONS        | FULL TIME | Jawaharlal Nehru Technological University, Kakinada        | 60  | 60  | NA | NA | NA |

The above mentioned approval is subject to the condition that DEVINENI VENKATA RAMANA & DR HIMA SEKHAR MIC COLLEGE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

**Note: Validity of the course details may be verified at [www.aicte-india.org](http://www.aicte-india.org)**

Application Number: 1-2813541821

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Letter Printed On: 26 April 2016



All India Council for Technical Education  
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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)

Dr. Avinash S Pant  
Vice - Chairman, 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 Registrar,**  
Jawaharlal Nehru Technological University, Kakinada
4. **The Principal / Director,**  
DEVINENI VENKATA RAMANA & DR.HIMA SEKHAR MIC COLLEGE OF TECHNOLOGY  
DVR & DR HS MIC COLLEGE OF TECHNOLOGY  
KANCHIKACHERLA-521 180  
KRISHNA DISTRICT  
ANDHA PRADESH,  
KANCHIKACHERLA,KRISHNA,  
Andhra Pradesh,521180
5. **The Secretary / Chairman,**  
DEVINENI VENKATA RAMANA & DR HIMA SEKHAR MIC COLLEGE OF TECHNOLOGY  
DVR & DR HS MIC COLLEGE OF TECHNOLOGY, KANCHIKACHERLA-521 180 KRISHNA DISTRICT ANDHRA  
PRADESH,  
KANCHIKACHERLA,KRISHNA,  
Andhra Pradesh,521180
6. **Guard File(AICTE)**

Application Number: 1-2813541621  
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Letter Printed On:26 April 2016



## Annexure-III

### NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0620-22, 2436 0654 Telefax: +91 11 2436 0662  
Website: www.nbaiind.org



File No. 11-219-2015-NBA  
To

Date: 28-11-2016

The Principal  
Devineni Venkata Ramana  
& Dr. Himasekhar MIC College of Technology  
(DVR & Dr. HS MIC College of Technology),  
Kanchikacherla, Krishna Dist. - 521180,  
Andhra Pradesh

Subject: Accreditation status of programmes applied by Devineni Venkata Ramana & Dr. Himasekhar MIC College of Technology (DVR & Dr. HS MIC College of Technology), Kanchikacherla, Krishna Dist. - 521180, Andhra Pradesh.

Sir,

This has reference to your application No. 1360 dated 06/05/2015 in Tier-II format seeking accreditation by National Board of Accreditation to UG Engineering programmes offered by Devineni Venkata Ramana & Dr. Himasekhar MIC College of Technology (DVR & Dr. HS MIC College of Technology), Kanchikacherla, Krishna Dist. - 521180, Andhra Pradesh.

2. An Expert Team conducted on-site evaluation of the programmes during 29<sup>th</sup> to 31<sup>st</sup> July, 2016. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programmes as given in the table below:

| Sl. No. | Name of the Programme (UG)              | Basis of Evaluation | Accreditation Status     | Period of validity   | Remarks  |
|---------|---|---------------------|--------------------------|--|--|
| (1)     | (2)                                     | (3)                 | (4)                      | (5)  | (6)  |
| 1.      | Computer Science & Engineering          | Tier-II Document    | Provisionally Accredited | Academic Years 2016-2017 and 2017-2018 i.e., upto 30-06-2018 | Accreditation status granted is valid for the period indicated in col.5 or till the program has the approval of the competent authority, whichever is earlier. |
| 2.      | Electrical & Electronics Engineering    |                     | Provisionally Accredited |  |  |
| 3.      | Electronics & Communication Engineering |                     | Provisionally Accredited |  |  |
| 4.      | Mechanical Engineering                  |                     | Provisionally Accredited |  |  |

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The Programmes have been granted Provisional Accreditation. Devineni Venkata Ramana & Dr. Himasekhar MIC College of Technology (DVR & Dr. HS MIC College of Technology), Kanchikacherla, Krishna Dist. - 521180, Andhra Pradesh should submit the Compliance Report at least 6 months before the expiry of validity of accreditation mentioned above. It may require submission of pre-qualifiers before sending the Compliance report for granting further Accreditation.

Contd..

-2-

5. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Devineni Venkata Ramana & Dr. Himasekhar MIC College of Technology (DVR & Dr. HS MIC College of Technology), Kanchikacherla, Krishna Dist.- 521180, Andhra Pradesh as a whole. As such the Institution 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 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.

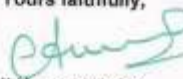
6. The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. Copies of the Report of Chairman of the Visiting Team and Evaluators' Reports in respect of the above programmes are enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

  
(Dr. Anil Kumar Nassa)  
Member Secretary

Encls: 1. Copy of Report of Chairman of the Visiting Team.  
2. Copies of Expert Reports of the Visiting Team.

Copy to:

1. The Principal Secretary (Higher Education),  
Government of Andhra Pradesh,  
J Block, 4<sup>th</sup> Floor, Secretariat Building,  
Hyderabad-500022.
2. The Director of Technical Education,  
Dept. of Technical Education,  
Govt. of Andhra Pradesh, 5<sup>th</sup> and 6<sup>th</sup> Floors,  
B.R.K.R. Bhavan, Tankbund Road,  
Saifabad, Hyderabad, Telangana-500063
3. The Vice Chancellor,  
Jawahar Lal Nehru Technological University,  
Hyderabad, Kakinada - 533 003, A.P.
4. Accreditation File
5. Master Accreditation file of the State.

## Annexure - IV



To  
The Under Secretary,  
University Grants Commission (UGC),  
Room No:206, Bahadurshah Zafar Marg,  
**NEW DELHI – 110 002.**

Date: 04.11.2016

Sir,

Sub: **Inclusion of our college under section 2(f) & 12(b)** – Submission of all relevant documents - Request - Reg.

Ref: 01. Our earlier letter, dated 21.06.2016.

02. Your letter No.F.No.8-491/2015 (CPP-I/C), dated 18.10.2016.

With reference to the above (2) cited, we herewith furnish the following documents for inclusion of our college under Section 2(f) & 12 (B) of the UGC Act 1956, as required by you.

| S.No | Documents required to be submitted as per your letter  | Revised Documents now enclosed  |
|------|--|---|
| 01   | Indemnity Bond is not in order. Corrections may be made as noted with the pencil on the bond itself. The corrections carried out should be got authenticated by the signatory of bond. Indemnity Bond is, therefore, being returned herewith.  | As per your instructions, Indemnity Bond prepared in order is enclosed herewith corrections made authenticated by signatory of the bond.  |
| 02   | Proforma Information in original with seal of the Principal.   | Proforma information in original with seal of the principal is enclosed.  |
| 03   | A photocopy of the notification for the current academic year (2016-17) duly attested in which the College has been granted temporary affiliation or permanent affiliation as the case may be along with a certificate from the Registrar to the effect that the conditions stipulated, if any, while granting permanent affiliation have been fulfilled by the college. | A photo copy of the temporary affiliation letter for the current academic year ie; 2016-17 issued by the Registrar, Jawarlal Nehru Technological University, Kakinada, Andhra Pradesh is herewith enclosed. |
| 04   | Resolution passed by the Governing Body of the Trust in support of the bond is not in order. Re-vised copy of the resolution indicating the person concerned who has been authorized to sign the bond may be sent duly attested by the Principal of the College and Management with seal of Trust  | An appropriate copy of resolution passed by Governing Body is authorizing Sri M.Sreenivasa Rao as signing authority.  |



|    |  |  |
|----|--|--|
| 05 | An attested copy of AICTE notification for the current academic year(2016-17)  | A photo copy of the AICTE approval letter for the current academic year ie; 2016-17 is herewith enclosed |
| 06 | All India Survey on Higher Education(AISHE) code of the College. Please refer <a href="http://www.aishe.gov.in">www.aishe.gov.in</a> . | C-18086  |
| 07 | Please mention UGC's reference No. in your letter while corresponding with UGC.  | F.No. 8-491/2015 (CPP-I/C), dated 18.10.2016   |

This proposal is being submitted for your kind perusal and we request you to include our college under Section 2(f) & 12 (B) of the UGC Act 1956, at the earliest.

Thanking you,

Yours faithfully,



(Dr Y.Sudheer Babu)  
Principal



CC to:  
Prof Ved Prakash  
Hon'ble Chairman  
University Grants Commission (UGC)  
Bahadurshah Zafar Marg, New Delhi-110002.

Encl:

01. Univ. recommendation Letter
02. Indemnity Bond
03. Proforma information in original with seal of Registrar & Principal with seal
04. Resolution Copy
05. AICTE approved letter
06. All India Survey on Higher Education Code of the College.
07. UGC's reference No.