

Institutional Accreditation Self Study Report (SSR)

Submitted to



National Assessment and Accreditation Council (NAAC)
P.O. Box No.1075, Nagarabhavi, Bengaluru – 560 072



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
UGC-AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu
Angallu, Madanapalle – 517325, Chittoor Dist, Andhra Pradesh
Ph: 08571 - 280255, 280706, Fax: 280433
www.mits.ac.in

December - 2016

TABLE OF CONTENT

Part / Criterion	Description	Page No.
	Covering Letter	Iv
Part - A	Preface	v-vi
Part – B	Executive Summary – The SWOC Analysis of the Institution	vii-xii
Part - C	Profile of the Institution	1-11
Part - D	Criteria wise Inputs	
Criterion I Curricular Aspects		12-24
1.1	Curriculum Design and Development	12-15
1.2	Academic Flexibility	15-18
1.3	Curriculum Enrichment	19-22
1.4	Feedback System	22-24
Criterion II Teaching-Learning and Evaluation		25-56
2.1	Student Enrolment and Profile	25-28
2.2	Catering to Student Diversity	29-32
2.3	Teaching-Learning Process	32-40
2.4	Teacher Quality	41-50
2.5	Evaluation Process and Reforms	50-53
2.6	Student Performance and Learning Outcomes	53-56
Criterion III Research, Consultancy and Extension		57-140
3.1	Promotion of Research	57-80
3.2	Resource Mobilization for Research	81-87
3.3	Research Facilities	87-90
3.4	Research Publications and Awards	90-127
3.5	Consultancy	127-128
3.6	Extension Activities and Institutional Social Responsibility (ISR)	128-136
3.7	Collaboration	136-140
Criterion IV Infrastructure and Learning Resources		141-153
4.1	Physical Facilities	141-143
4.2	Library as a Learning Resource	143-147
4.3	IT Infrastructure	147-152
4.4	Maintenance of Campus Facilities	152-153



Criterion V Student Support and Progression		154-183
5.1	Student Mentoring and Support	154-170
5.2	Student Progression	171-177
5.3	Student Participation and Activities	177-183
Criterion VI Governance, Leadership and Management		184-204
6.1	Institutional Vision and Leadership	184-189
6.2	Strategy Development and Deployment	190-196
6.3	Faculty Empowerment Strategies	197-199
6.4	Financial Management and Resource Mobilization	199-201
6.5	Internal Quality Assurance System (IQAS)	201-204
Criterion VII-Innovations and Best Practices		205-212
7.1	Environment Consciousness	205-206
7.2	Innovations	207
7.3	Best Practices	208 – 212
Part – E : Evaluative reports of Departments		185-354
	Civil Engineering	213-226
	Electrical and Electronics Engineering	227-249
	Mechanical Engineering	250-290
	Electronics and Communication Engineering	291-315
	Computer Science & Engineering	316-341
	Management Studies	342-360
	Computer Applications	361-379
	Department of Humanities	380-387
	Department of English & Foreign Languages	388-397
	Department of Mathematics	398-407
	Department of Physics	408-418
	Department of Chemistry	419-431
	Declaration by Head of the Institution	432
	Certificate of Compliance	433
APPENDIX		
1	Certificate of UGC Recognition under 2(f) & 12(B)	434-435
2	AICTE Extension Approval for the academic year 2015-16	436
3	JNTUA Grant Permanent Affiliation for the year 2015-16	437-438
4	JNTUA, Grant Temporary Affiliation letter for the year 2014-15	439-440

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE****(UGC - AUTONOMOUS)**Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu
www.mits.ac.in www.mits.eduDate: 4th April 2016

To

The Director,
NAAC,
Nagarbhavi,
Bangalore – 560072.

Sir,

Sub: Submission of hard copies, soft copy & Accreditation fee – Reg
Ref: Your email dated 31.03.2016 – Accepting of LOI - Reg

Thank you for accepting our LOI bearing Track ID - APCOGN26150 on 31/03/2016. This is to inform you that we have uploaded the Self Study Report (SSR) in our college website <http://www.mits.ac.in/assets/pdf/admin/MITS%20-%20NAAC%20-%20SSR.pdf> on 18th March 2016, within the stipulated time.

As per the guidelines, we are hereby sending five (5) hardcopies and one soft copy (CD) of SSR along with a Demand Draft, bearing no: **034484** and dated 02.04.2016, for **Rs. 3,43,500/-** towards Assessment and Accreditation fee.

We request you to take necessary steps to process Accreditation.

Please acknowledge the receipt of the same.

Thanking you,

Yours faithfully,

**PRINCIPAL**Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P**Enclosures:**

1. Five hard copies of SSR
2. One soft copy (CD)
3. SBH DD Number: 034484 dated 02-04-2016

AN ENGINEERING COLLEGE SPONSORED BY : **RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY**

P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.

Phone : 08571 - 280255, 280706 Fax : 08571 - 280433

PART - A

PREFACE

BACKGROUND OF THE INSTITUTION

Madanapalle Institute of Technology & Science popularly known as MITS is established in 1998 in the picturesque and pleasant environs of Madanapalle, Andhra Pradesh and is ideally located on a sprawling 26.17 acre campus on Madanapalle – Ananthapuramu Highway (NH-205). The Institute originated under the auspices of RatakondaRanga Reddy Educational Academy lead by Sri. N. Krishna Kumar, Chairman and Dr. N. VijayaBhaskar Choudary, Secretary & Correspondent. The institute is governed by a progressive management that never rests on laurels and strives conscientiously to develop it as one of the best centers of Academic Excellence in India. The institute offers Undergraduate Programmes offering B.Tech Degree in five major branches of engineering and Post Graduate programmes offering M.Tech degree in seven specializations. Further, the Institute also offers three other Post Graduate Programmes leading to MCA and MBA degrees.

Undergraduate Programmes	Postgraduate Programmes
<ol style="list-style-type: none"> 1. Civil Engineering 2. Electrical and Electronics Engineering 3. Mechanical Engineering 4. Electronics and Communication Engineering 5. Computer Science and Engineering 	<ol style="list-style-type: none"> 1. M.Tech in Advanced Manufacturing System 2. M.Tech in Machine Design 3. M.Tech in Computer Science and Engineering 4. M.Tech in Digital Electronics and Communication Systems 5. M.Tech in Electrical Power Systems 6. M.Tech in Solar Power Systems 7. M.Tech in VLSI & Embedded System 8. Master of Business Administration 9. Master of Computer Applications 10. Master of Computer Applications (2 Years)

The salient features of the Institute are given below:

- MITS was recognized by AICTE, New Delhi and affiliated to JNTUA, Ananthapuramu.
- Granted with the status of permanent affiliation by the JNTUA, Ananthapuramu in 2016 for a period of 3 years.
- Recognized by UGC under sec 2(f) and 12 (B) of UGC Act 1956.
- The UGC has also conferred autonomous status to the institute for a period of 6 years with effect from the academic year 2014-15.
- Funded under Technical Education Quality Improvement Programme – Phase II sponsored by World Bank
- The UG programmes- B.Tech in CSE, EEE, ME and ECE were reaccredited by National Board of Accreditation (NBA) for two years.



- The PG programme – Master of Business Administration is provisionally accredited by National Board of Accreditation (NBA) for two years.
- Ranked with ‘A’ grade by Government of Andhra Pradesh and AA+ Grade by Careers 360, a popular education magazine.
- Recognized Skill Development Centre by Govt. of Andhra Pradesh
- Registered as Scientific and Industrial Research Organization by DSIR of DST

The Institute has 322 teaching faculty, among which 150 faculty members are with Ph.D qualification and the faculty student ratio of 1:15 is maintained. Many of the Departments are recognized as research centre by JNTUA, Ananthapuramu, with 39 funded research projects by various agencies such as UGC, DST, etc. The faculty members have published their research works in peer-reviewed journals indexed in Scopus, Science Director, Web of Sciences, and other scholarly places. Our faculty members have published around 27 books with reputed publishers. The institute has entered 49 MoUs with higher learning Institutions and Industries. Further, Institute has a well maintained library with 54791 Volumes of Books, access to E-Journals including ASME, IEEE, Science Direct, Springer and other digital libraries. MITS has 1145 computers and Wi-Fi connectivity with a bandwidth of 100 mbps. A good hostel accommodation is provided for both boys and girls. MITS has brought its teaching learning process under ISO certification and is currently an ISO 9001:2008 certified institution. As a quality initiative, all the stake holders of MITS work in the framework of its well defined vision, mission and quality policy.

Vision: Become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Mission: To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process, creates an ambience for practice-based learning to the youth for success in their careers.

Quality Policy: Madanapalle Institute of Technology & Science is committed to bring out and nurture the talents and skills of youth in the fields of Engineering and Management to cater the challenging needs of society and industry. We shall achieve this by

- Contributing to the academic standards and overall knowledge development of the students
- Providing excellent infrastructure and conducive learning environment.
- Enhancing the competence of faculty and promoting R&D Programmes
- Collaborates with institutions and industries.
- Ensures continues improvement of Quality Management System.



PART - B

EXECUTIVE SUMMARY

1. CURRICULUM DEVELOPMENT

Since its inception in 1998, the institute is in the forefront in implementing best practices in higher education system. As part of its vision, it has benchmarked its curriculum and teaching methodologies of BITS, Pilani and IIT- Hyderabad to maintain academic excellence. Accordingly, all the faculty members are trained at IIT-H and BITS, Hyderabad in curriculum development and innovative teaching - learning process. The Board of Studies of each department is constituted with experts from reputed higher learning institutes, industries, research organizations, affiliated university and alumni. The curriculum of all the programmes is developed by giving due weightage to the guidelines of regulating and professional bodies. The Outcomes Based Education is in practice for all the Programmes. A Well-defined Programme Educational Objectives, Programme Outcomes mapped to Graduate Attributes are established for all the Programmes considering the viewpoints of all the stakeholders. Every course is designed with measurable Course Outcomes, which are in-turn mapped to Programme Outcomes. The assessment items are designed using Bloom's Taxonomy and mapped towards the attainment of course outcomes.

The Board of Studies will consider various aspects such as modeling, knowledge application, problem analysis, solution development, usage of modern advanced tools, translating knowledge to meet the needs of society and offering scope for engineering solutions to environmental problems. Mandatory courses such as Environmental Science and Business Ethics, audit courses such as Public Speaking, Creative Writing, Professional Ethics and IPR (Intellectual Property Rights) are included in the curriculum to develop holistic approach among the budding engineers. Further, to cope with the developments in Online Education, the Institute has also introduced Massive Open Online Courses (MOOCS) as mandatory in all the programmes. The syllabus is revised frequently to match to the industry requirements.

2. TEACHING AND LEARNING PROCESS

The teaching learning process at MITS follows the typical process of lesson planning by the concerned faculty handling the course, lecturing, assessment and review. The teaching learning and evaluation process has been standardized on par with the guidelines for autonomy issued by the UGC and JNTUA, Ananthapuramu. The academic calendar for all programmes is prepared well in advance before commencement of the semester. It contains instruction periods, assignments, mid-term tests, end-examinations, remedial classes, seminars, workshops, conferences, internships, industrial tours, NSS activities, Sports and games events, co-curricular activities and holidays. The learning is made student centric by giving challenging assignments on design and applications, discussing case studies, providing practical training in industries, arranging industrial



visits and expert lectures on advanced topics, conducting workshops on latest technologies, guiding the innovative and industrial oriented projects. The Institute encourages the faculty members to prepare and use digital learning materials. ICT is used as an effective tool in imparting education. Online feedback on faculty is collected from the students twice in a semester and it is used as a tool to evaluate the performance of the faculty and thereby bring reforms in teaching methodologies. The performance of a student in each semester is evaluated course-wise for 100 marks with 40% and 60% weightage for internal and external respectively. Internal marks are awarded based on the continuous assessment in the form of two assignments and two midterm tests. However, Audit courses are evaluated entirely based on internal evaluation.

3. RESEARCH, CONSULTANCY AND EXTENSION

As the Research, Consultancy and Extension Programmes are the important issues to be incorporated as an academic culture to bring in excellence, the institution has instituted a separate R&D committee chaired by Dean R&D, Principal, Vice-Principals, Deans, Heads, and senior faculty members from reputed research institutions and industries. As a result of our R&D initiatives 150 faculty members with Ph.D from reputed Institutions are recruited to all departments. Good numbers of faculty members are involved in continuous research activities in state of the art technologies. Further, more than 40 faculty members of MITS are pursuing their Ph.Ds at various reputed institutions/universities. Faculty and students of MITS have published more than 600 Technical papers in reputed National and International journals during the last five years. More than 100 papers are presented in various National and International conferences organized by reputed institutions and professional bodies.

The Institute has taken adequate initiatives to develop and promote research culture by identifying different areas of expertise within the campus and to execute different academic and research oriented sponsored and consultancy projects with the available research teams. All the departments of MITS collaborate with research institutes and industries for the purpose of training and research. Experts from reputed organizations and institutions like ISRO, DRDO, NRSE, IITs, NITs, NEERI are invited to deliver guest lectures on emerging research areas. The Institute encourages interdisciplinary research by categorizing all the faculty members into several groups based on their broad spectrum of specialization irrespective of their departments.

The institute has provided all necessary facilities to the faculty members to undertake sponsored/funded as well as consultancy projects of private, quasi government and government sectors. An amount equal to 10% of the total project funding is given as incentive to the team of investigators. The faculty members involved in consultancy projects are given 70% of the total consultancy amount as incentive and the institute retains remaining 30%. Over 22 projects are funded by UGC, DST, AICTE are in progress. Department of Science and Technology (DST) has sanctioned Rs.30 Lakhs under **FIST – 2015**. Ministry of skill development and Entrepreneurship has granted Rs.10 lakhs, under PMYY.



Nine departments are recognized by JNTUA, Ananthapuramu as Research centers for offering full time PhD programmes. At present 29 full-time scholars are pursuing their Ph.D in our research centres. The institute publishes MITS International Journal of Business Research. Incubation and start-up centers are established to ignite the tender minds of the young engineers to promote thought provoking process. The institute has entered into MoUs with industries and institutions of national and international repute. To state some of them: NASSCOM, ECIL, NSIC, Ultra Tech Cements, Annapurna Bhaskari Group of Industries, IBM, Infosys, IUCEE, UNISYS, ISRO, QEEE, Central Institute of Tool Design, IITs, NITs, & BITS Pilani-Hyderabad. These companies have provided platform to do mini projects, internship and main projects.

The institute sensitizes faculty members and the students on Institutional Social Responsibility by organizing various events. NSS unit organized several programmes such as medical camps, literacy programs, blood donation, Swachha Bharat and Swachha Andhra. It creates holistic development of students and sustained community development.

4.INFRASTRUCTURE AND LEARNING RESOURCES

The institute has established policies and procedures to continually enhance infrastructure in the form of built-up area, laboratory equipment and learning resources. The physical infrastructure of the institute is planned and constructed as per requirements of regulatory bodies like AICTE and UGC. The ICT enabled classrooms and seminar halls, laboratories; department libraries and staff rooms are constructed as per AICTE norms. In addition to the above, central library, centralized facilities like canteen, dispensary, gym, bus transportation office, seminar halls, administration office, estate office are established to cater to the needs of students and faculty members. The institute has separate hostels with a capacity of 212 for boys and 276 for girls. The eight-bed health center has a doctor and a nurse to look after the health problems of all the inmates of the institute within the campus, providing free medical checkup and medicines. An ambulance is available on emergency.

The institute has earmarked 10 acres of land for the playground. Well-qualified Physical Directors conduct sports and games throughout the year and motivate the students to participate in State and National level sports and games meet. Gym, canteen and guest house are constructed to create amenities for the faculty members and the students. Yoga and Meditation classes are being conducted for the faculty members and the students daily to develop their emotional intelligence to face the complex situation in working place. The engineering section with a Senior Engineer looks into the construction and periodical maintenance of the buildings to ensure optimum utilization. Necessary measures are also taken to improve the ambience of the campus environment by proper maintenance of the gardens and clean environment.

The institute's library has 54,791 volumes, 834 back volumes, 85 printed journals and magazines. In addition, institute has a digital library to access 144819 E-books and 11923 E-journals and Ph.D theses from various sources such as ASME, IEEE, Science Direct, Springer, McGraw Hill, DELNET, N-list, J-GATE, Inlibnet etc. All the resources and services available over the Internet and Intranet are accessible on 1145 computers connected to 11 servers. Wi-Fi connectivity with a bandwidth of 100 mbps is provided.

5. STUDENT SUPPORT AND PROGRESSION

The faculty counselors regularly mentor students and their progress is updated to the parents. Departments conduct parents meeting to discuss various issues related to the students. The suggestions received from the parents are being utilized for the improvement of teaching learning process. The Training & Placement Cell trains students in personality development and employability skills. Every department offers free coaching for competitive exams like GATE, PGECET. The institute provides academic calendar to the students every year. Sports & Games Cell, NSS Cell and various clubs such as cultural club, social club, science club, yoga and meditation club etc., nurture students' interests and talents. Grievance Redressal Cell, Women Welfare Cell, Student Welfare Cell and Anti-ragging committee make students' campus life secure.

The vertical progression of students from one academic year to another academic year is strictly adhered to the regulations of the University. Four students of the institute received University Gold Medals for their academic excellence during the last four years. The Alumni Association organizes various events to maintain relation between alumni and the institute.

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

The Institute is governed by a progressive management that never rests on laurels and strives continuously to develop it as one of the best centers of Academic Excellence in India. The institution profile is firmly based on strategies and action plans that match changing demands of the nation and the student fraternity. The leadership of the institute committed with passion and zeal to enhance the excellence in engineering education. The Principal is assisted by Vice Principal - Administration, Vice Principal – Academics, Dean – R&D, Dean – RRC, and Dean – IIIC in all administration and academic activities.

Governing Body, Academic Council, Boards of Studies, Finance Committee and other committees are constituted as per UGC guidelines for autonomous institutes. The affiliating university JNTUA, Ananthapuramu nominates eminent professors as members on various committees/boards to support and guide the academic mechanism. Faculty performance appraisal is collected online. The qualitative and quantitative assessment of a teacher on curriculum, co-curriculum, R&D related activities, administrative and extracurricular activities is made to identify the strengths and weaknesses of individual faculty. If the performance of any faculty members is found below the permissible level, they are counseled, motivated and are encouraged to attend various training programmes for improving their better performance. Faculties are encouraged with incentives on funded projects, laptops, CUG Sims, dongles, and maternity leave.



Internal Quality Assurance Cell (IQAC) is actively involved in planning, coordinating and executing all required procedures for academic audit of the existing courses. It develops the quality benchmarks/parameters for various academic activities. The regular feedback collected from alumni, parents, employers and staff on functioning of the Institute is considered to enhance further development in the institute. The Institute addresses the grievances students and staff through General Grievance Cell and Women Grievance Cell.

7. INNOVATION AND BEST PRACTICES

A number of innovative steps adopted to achieve the Vision of the institute. Few of such initiatives include introduction of Outcome Based Education, effective use of Information Communication Technology in teaching and learning, introduction of MOOCs with credits, utilization of anti-plagiarism software for originality check of assignments, projects, research papers and theses, establishment of Innovation Centre etc.

The institute maintains eco-friendly environment on the campus. Energy conservation and eco-friendly measures such as use of LED bulbs, solar roof top power plant, solar lights, steam cooking in canteen, eco-friendly generators, rainwater-harvesting structures, plantation etc., are major initiations.

SWOC ANALYSIS

Strengths

1. 48% of faculty are PhDs with extensive experience.
2. Diversity of faculty in terms of Education, Experience, and location
3. Recipient of financial assistance from world bank under TEQIP – II protocols
4. Continuous flow of funded projects from national agencies like DST and UGC.
5. Accreditation/Recognition received from national and state level accreditation agencies.
6. Decentralized organization structure with leadership and stakeholder participation at every level
7. MOUs with various national and international institutions/organizations
8. Designation of the institute by AP government as center for skill development
9. Robust and transformational teaching- learning process indicated by 6 university gold medals.
10. Adjudged as best performing institute by IBM – TGMC contest for two consecutive years.
11. Digital Library with e-learning resources
12. Emphasis on teaching foreign languages

Weakness

1. Need for a large auditorium to bring all the students under one roof
2. Need for residential facility for students and faculty to enhance work life balance
3. Need for enhancing communication skills among students for better competitiveness



Opportunities:

1. Scope for further improvement in teaching and learning processes using Information and Communication Technology (ICT).
2. Preparing students for competitive advanced skill tests like GRE, GATE, IELTS and TOEFL to secure admissions for higher studies across the globe.
3. Scope for improving collaborative research projects and consultancy services with Industry and R&D organizations.
4. Introducing student and faculty exchange programs with national & international Institutes and Universities.
5. Providing technical expertise to society and community in accordance with Government's thrust on IT/Bio-technology/Eco-friendly projects etc.

Challenges:

1. Migration of students from this region to the deemed universities of the neighboring states.
2. Increasing opportunities in IT enabled services affect the employment in core branches of engineering.
3. Uncertainties in employment of opportunities due to imbalanced development in various disciplines.
4. Attracting international students to the institute.



Part - C

Profile of the Autonomous Institute

1. Name and Address of the Institute:

Name	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
Address	Post Box No: 14, Kadiri Road, Angallu, Madanapalle-517325, Chittoor District, Andhra Pradesh
Website	www.mits.ac.in

2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	E-Mail
Principal	Dr. C. Yuvaraj	O: 08571-280255 R: 08571-226499	+91 9160020789	08571-280255	principal@mits.ac.in
Vice Principal (Academics)	Dr. B. Rama Kumar	O: 08571-280255	+91 8008570671	08571-280255	viceprincipalacademics@mits.ac.in
Vice Principal (Administration)	Dr. G. Hampamma	O: 08571-280255	+91 9052077785	08571-280255	vice-principal.engg@mits.ac.in
Steering Committee Coordinator	Dr. K.G. Sudhakar	O: 08571-280255	+91 9100904923	08571-280255	drsudhakarkg@mits.ac.in

3. Status of the Autonomous Institute by Management.

i.	Government	
ii.	Private	√
iii.	Constituent Institute of the University	

4. Name of University to which the Institute is affiliated

**Jawaharlal Nehru Technological University Anantapur (JNTUA),
Anathapuramu**

5. a) Date of establishment of the college:

Date	Month	Year
26	08	1998

b) Date of grant of 'Autonomy' to the Institute by UGC:

Date	Month	Year
19	06	2014



6. Type of Institution:

a. By gender

i. For Men	
ii. For Women	
iii. Co - Education	√

b. By Shift

i. Regular	√
ii. Day	
iii. Evening	

c. Source of funding

i. Government	
ii. Grant in Aid	
iii. Self-Financing	√

7. Is it a recognized minority institution?

Yes

No

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

8. a. Details of UGC recognition:

Under Section	Date, Month & Year(dd-mm-yyyy)	Remarks(If any)
2 (f)	06-02-2014	The Institute is now declared fit to receive Central assistance in terms of Rules framed under Section 12(B) of the UGC Act, 1956. However, the Institute, being a self-financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.
12 (B)	06-02-2014	

(Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act is given Appendix - I)

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

Under section / Clause	Day, Month and year	Validity	Program / Institution	Remarks
AICTE F.No. South-Central/1-2450967973/2015/EOA	07-04-2015	One year	a) B.Tech: 1. Civil Engineering 2. Electrical and Electronics Engineering 3. Mechanical Engineering 4. Electronics and Communication Engineering 5. Computer Science and Engineering b) M.Tech: M.Tech – AMS M.Tech - MD M.Tech - CSE M.Tech - DECS M.Tech - EPS M.Tech - SPS	



			M.Tech – VLSI& ES MBA MCA MCA (2 years)	
--	--	--	--	--

(AICTE Approval Letter is given Appendix - II)

9. Has the Institute recognized

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

Yes No

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

b. For its contributions / performance by any other governmental agency?

Yes No

If yes, Name of the agency and

Date of recognition: (dd/mm/yyyy)

Research Potential and academic Excellence have been recognized by Ministry of HRD under scheme of NPIU and TEQIP Phase - II SC1.2.

S.No	Date	Name of the Agency	Programme	Purpose
1	30-06-2014	DSIR, New Delhi	SIRO	Recognized as Scientific and Industrial Research Organization
2	08-06-2015	APPSDC, Hyderabad	MITS Skill Development Centre	To train the students update their skills to meet the requirements of industry and society

10. Location of the campus and area

Location *	Rural
Campus area in acres	26.17
Built up area in sq. mts	25,495

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

11. Does the Institute have the following facilities on the campus (Tick the available facility)? In case the Institute has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex



- Sports facilities

Play Ground	√
Swimming Pool	
Gymnasium	√

- Hostel

Boy's Hostels	√
Girl's Hostels	√

- Residential facilities

For Teaching Staff	NA
For Non-Teaching Staff	NA

- Cafeteria

√

- Health centre –

First aid facility	√
Inpatient facility	√
Outpatient facility	√
Ambulance facility	√
Emergency facility	√

- Health Centre Staff:

Qualified Doctor	Full Time	√
Qualified Nurse	Full Time	√

- Other facilities

Bank	
ATM	√
Post Office	√
Book Shops	√



- Transport facilities

For Students	√
For Staff	√

- Power house - YES
- Waste management facility - NO

12. Details of Programmes Offered by the Institution:
(Given Data for the Current academic year)

S.No	Programme Level	Name of Programme/course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ Approved/ student Intake	Number of student Admitted
1	UG	B.Tech, EEE	4 Years	10+2	English	120	79
		B.Tech, ECE	4 Years	10+2	English	240	239
		B.Tech, CSE	4 Years	10+2	English	180	177
		B.Tech, ME	4 Years	10+2	English	240	149
		B.Tech, CE	4 Years	10+2	English	60	53
		B.Tech, EEE-2	4 Years	10+2	English	60	18
		B.Tech, ME-2	4 Years	10+2	English	60	20
		B.Tech, ECE-2	4 Years	10+2	English	120	120
2.	PG	MBA	2 Years	UG	English	240	195
		MCA	3 Years	UG	English	60	38
		MCA Direct 2 nd Year	2 Years	UG	English	120	88
		M.Tech - AMS	2 Years	UG	English	36	2
		M.Tech - CSE	2 Years	UG	English	36	6
		M.Tech - DECS	2 Years	UG	English	36	7
		M.Tech - EPS	2 Years	UG	English	36	9
		M.Tech - SPS	2 Years	UG	English	24	-
3.	Ph.D	Ph.D Programmes	3 years	PG	English		6

13. Does the institution offer self-financed Programme?

Yes	√
No	

If Yes, How many?

UG (B. Tech)	5
PG (M.Tech,MCA & MBA)	10



14. Whether new programmes have been introduced during the last five years

Yes No

If yes

Number	6
--------	---

15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)

Particulars	Number	Number of Students
Engineering		
Under Graduate:		
CE	05	192
EEE		455
ECE		1032
CSE		728
ME		934
Post Graduate:		
MBA	03	356
MCA		228
M.Tech		79
Research Centre(s)	09	
EEE		1
ECE		5
ME		4
CSE		1
MBA		4
Mathematics		8
Physics		
English		
Chemistry		

16. Are there any UG and/or PG programmes offered by the Institute, which are not covered under Autonomous status of UGC? Give details.

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, MSc, B.Com etc.)

a. annual system

b. semester system

c. trimester system

18. Number of Programmes with

a. Choice Based Credit System

b. Inter/Multidisciplinary Approach

c. Any other (specify)



19. Unit Cost of Education

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

(a) including the salary component

Rs. 56,054.44

(b) excluding the salary component

Rs.13,496.40

20. Does the Institute have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes No

If yes,

a. How many years of standing does the department have?
..... years

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

c. Is the department opting for assessment and accreditation separately?
Yes No

21. Does the Institute have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?

Yes No

If yes,

a. How many years of standing does the department have?
..... years

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

c. Is the department opting for assessment and accreditation separately?
Yes No

22. Whether the Institute is offering professional programme?

Yes No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

A copy of AICTE and University approvals are given in Appendix – II& III



23. Has the Institute been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

A copy of AICTE and University approvals are given in Appendix – II& III

24. Number of teaching and non-teaching positions in the Institute

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	NA		NA		NA		NA		NA	
Recruited										
Yet to be Recruited										
Sanctioned by the Management / Society	24		28		268					
Recruited	22	2	26	2	218	50	144	22	40	3
Yet to be Recruited	-		-	-	-	-	-	-	-	-

25. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.					2		2
Ph.D.	23	2	22	2	83	16	148
M.Phil.			1		2	3	6
PG			3		131	32	166
Temporary Teachers: NA							
Ph.D							
M.Phil							
PG							
Part-time Teachers: NA							
Ph.D							
PG							
M.Phil							



26. Number of Visiting Faculty/ Guest Faculty engaged by the Institute : 01

Visiting Faculty (MBA)

Dr. Dayanand Arora, visiting Professor of International Finance and Accounting, University of Applied Sciences, Berlin, Germany.

27. Students enrolled in the Institute during the current academic year, with the following details:

*total students of the Institute

Students	UG		PG		Ph.D.	
	Male	Female	Male	Female	Male	Female
From the state where the Institute is located	677	237	201	144	04	01
From the other states of India	-	-	-	-	-	-
NRI students	-	-	-	-	-	-
Foreign students	-	-	-	-	-	-
Total	-	-	-	-	-	-

28. Dropout rate in UG and PG (average for the last two batches)

UG PG

29. Number of working days during the last academic year: 258

30. Number of teaching days during the last academic year: 198

31. Is the Institute registered as a study centre for offering distance education programmes for any University?

Yes No

If yes, provide the

a. Name of the University

b. Is it recognized by the Distance Education Council?

Yes No

c. Indicate the number of programmes offered.

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

S.No	Programme/Course	Teacher-student ratio
1	B.Tech. CE	1:15
2	B.Tech. EEE	1:15
3	B.Tech. ECE	1:16
4	B.Tech. CSE	1:18



5	B.Tech. ME	1:16
6	M.Tech EPS	1:12
7	M.Tech SPS	1:12
8	M.Tech CSE	1:6
9	M.Tech DECS	1:12
10	M.Tech AMS	1:12
11	M.Tech VLSI	1:12
12	M.Tech MD	1:12
13	MBA	1:13
14	MCA	1:13
15	MCA (2 years)	1:13

33. Is the Institute applying for?
 Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle 4
 Reassessment:
34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) **Not Applicable**
 Cycle 1: (dd/mm/yyyy) Accreditation outcome/results
 Cycle 2: (dd/mm/yyyy) Accreditation outcome/results
 Cycle3: (dd/mm/yyyy) Accreditation outcome/results
 * Kindly enclose copy of accreditation certificate(s) and peer team report(s)
 Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation
35. a. Date of establishment of Internal Quality Assurance Cell (IQAC) : **31-08-2015**
 b. Dates of submission of Annual Quality Assurance Reports (AQARs). **NA**
 (i) AQAR for year on(dd/mm/yyyy)
 (ii) AQAR for year on (dd/mm/yyyy)
 (iii) AQAR for year on (dd/mm/yyyy)
 (iv) AQAR for year on..... (dd/mm/yyyy)
36. Any other relevant data, the Institute would like to include. (Not exceeding one page)
- The Institute is a first ever recognized Research Centre in jurisdiction of JNTUA, Ananthapuramu.
 - Implementation of VI Pay Commission to the faculty members.
 - Received **four** university gold medals for the Top rankers.
 - Received two awards from Motorola for students’ projects at national level.



- Six students have got selected for Stanford UIF program, sponsored by Google. These students are participating in annual meetup at silicon valley during march 2017.
- Academic partnership and MoUs with IBM, IUCE, ECIL, EDS Technologies, Adobe etc.
- Institute has received Four Crore World Bank assistance under TEQIP-II SC 1.1, Ministry of HRD, Government of India, New Delhi.
- Tie-up with BITS Pilani, Hyderabad Campus and MOU with IIT, Hyderabad for curriculum development and academic excellence.
- It is a green campus.



Part - D

CRITERION I: CURRICULAR ASPECTS

1.1 CURRICULUM DESIGN AND DEVELOPMENT

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

All the programmes follow outcome based education. As a process, every department develops/follows the vision and mission statements in line with institution vision and mission statements. Based on the institutional & departmental vision and mission statements, all the academic programmes develop programme educational objectives. Based on the PEO's programmes specified outcomes and course outcomes are developed.

The stated vision and mission of the Institution are reflected in the academic programmes of the college as follows:

- UG, PG and Ph.D. programmes are offered in the fields of Engineering, Technology, Master of Computer Applications and Management Studies.
- Each department Vision and Mission are framed in line with the Vision and Mission of the Institute.
- The CO, PO, PEO are added to the syllabus to achieve the vision and mission of the institution.
- Curriculum and Syllabi are developed to meet the Vision and Mission of the institution with the approval of Board of studies concern and Academic council members.
- R&D cell promotes the submission of project proposals and procuring funds in the fields of Engineering, Technology and Science.
- IIC cell encouraging the faculty members to visit leading industries for collaboration and carryout the projects.
- Training and Placement Cell Provides training to the students on employability skills and invites companies for campus placements.
- Institution organizes workshops, seminars, conference, awareness programmes and guest lectures in the emerging areas of Engineering, Technology and Science.

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

As the Institution is autonomous, the departments have the flexibility in designing curriculum. Every Programme/Department contributes its own BoS, which consists of subject experts, industrial representatives, alumni and other stakeholders. While developing the curriculum, the contemporary syllabus from other institutions, higher learning institutions and universities are taken as bench mark. The model syllabus from AICTE, relevant professional bodies and other regulation bodies are taken as reference.

The institute implements the best practices to provide quality education to its students and to make them best citizens of the nation. To have a greater flexibility towards academic and research development, the institute has marched towards Autonomous status.

On obtaining the UGC Autonomy during 2014, the institution has made a study across the country for designing the best curriculum for higher education. After approaching several entrepreneurs, parents and students of various institutes, it has concluded to implement the BITS, Pilani-Hyderabad curriculum & teaching practices for UG students and IIT-Hyderabad curriculum for PG (M. Tech.) students. Thus, signed MoUs with these institutes and 120 faculty members of MITS are trained at BITS, Pilani - Hyderabad and IIT – Hyderabad on curriculum development and innovative teaching and learning processes. Similar exercise is also made for MBA & MCA programmes.



Board of Studies Meeting

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

The institute invites all stakeholders to take part in providing their valuable suggestions for curriculum design. Institute Industry Interaction Cell (IIC) approaches several industries to discuss the latest trends in technology. Similarly, the Head of each programme takes suggestions from researchers and academicians across the country, for improvising/updating curriculum. As the members of BoS the alumni also contribute to design the curriculum.

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

- **Employability**

- Systematically designed curriculum with 10 foundation courses, 26 programme core courses, 4 discipline electives, 4 inter-discipline courses, 2 audit courses, 15 practical courses, 1 major project and 1 seminar make a student strong enough in both core and inter-disciplinary domains.
- Mass Open Online Courses (MOOC) provides enough exposure to online courses.
- Inclusion of certain courses on communication skills, soft skills, logical thinking, human & professional ethics support students to become self-confident and self-potent.
- Regular training sessions to develop personality and employability skills.

- **Innovation**

- Students are encouraged to do their mini and major projects on real problems from the industry and society. This practice makes students more responsible to the society.
- Students apply basic concepts of their core subjects to solve the practical problems and gain hands-on-experience
- The Innovation center encourages students to come with new ideas leading to startups.

- **Research**

Eminent academicians and research scientists are invited to be part of BoS.

The curriculum accommodates interdisciplinary courses under the category of open electives.

Students and faculty with research interest are provided with various avenues to take up projects. They may take part in on-going sponsored research projects or social projects within institution or outside institution, R&D labs, NGOs etc. This has resulted in publication of articles/papers in reputed journals/conference proceedings.

Students are encouraged to participate in competitions and symposiums conducted by various institutions and universities.

Initiatives to promote research:

- UG and PG Students are encouraged to publish their research/Project in the seminars, Conferences and reputed International /National Journals.
- Compulsory publications, for a Ph.D research scholar, in a reputed journal or conference, preferably with impact factor and/ or Scopus listing.
- An audit course “Introduction to Intellectual Property Rights” gives awareness to a student on writing scholarly articles, publishing them in peer reviewed journals, and also on patent procedures.
- The Institute publishes MITS International Journal of Business Research to facilitate the researcher to publish their scholarly works.



- A open “Campus lecture series” conducted on emerging areas of engineering, technology and science once in a month to motivate the faculty and promote the research in the institution.

1.1.5 How does College ensure that the curriculum developed address the needs of the society and have relevance to the regional / national developmental needs?

To ensure the curriculum to meet the needs of the society, feedback from various stakeholders are obtained and the suggestions related to the regional, national and societal needs are incorporated in the curriculum.

The following courses with/ without credits are offered to make students responsible citizens of the nation.

NSS, Environmental Science, Rural Water Supply & Sanitation, Green Building & Energy Conversion, Professional Ethics, Ethical Hacking, Introductory Psychology, Business Ethics & Corporate Governance.

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

The Curriculum is designed with a perfect balance between basic interdisciplinary electives like, IPR, Environmental studies etc. and projects focusing on societal needs. Courses mandated by the regulatory bodies are introduced. While designing the curriculum, incorporation of MOOCs and recommendations of professional bodies like IEEE for Electronics, ASME for Mechanical Engineering, ASCE for Civil Engineering and CSAB for Computer Science & Engineering are considered. Further, the syllabus aligns to the GATE syllabus of the particular discipline.

1.2 ACADEMIC FLEXIBILITY

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

a. Core / Elective options

UG Programmes:

Each academic program follows the typical curriculum framework as per the mandatory guidelines of the affiliating university for implementation of academic autonomy. The typical breakdown for B.Tech. Degree curriculum is as given below,

S.No.	Category	Curriculum Credits	Weightage (%)
1	Foundation Courses	46	26
2	Programmes core course	110	61
3	Discipline Electives	12	6.7
4	Open Electives	12	6.7
5	Audit course	-	-



Each UG programme is designed with 36 core courses, 4 discipline electives (out of 12), 4 open electives (out of 54), project, and a seminar.

PG Programme

M.Tech

Each M.Tech. programme is designed with 9 core courses and 2 open electives (out of 6), one in first and another in second semesters, followed by a project and a seminar.

MBA

MBA programme is designed with 17 core courses, 6 electives (4 out of 6 in III semester and 2 out of 6 in IV semester), followed by a project and a seminar.

MCA

MCA programme is designed with 15 core courses, 4 discipline electives, 4 open electives and 2 audit courses. Project and seminar are in the final semester of the programme.

b. Enrichment courses

- 10 Audit Courses in all UG programmes, from which students shall opt for any two.
- Foreign languages like Japanese, Spanish and German.
- Certificate courses like J2SE (Core JAVA) & J2EE (Advanced Java), PHP, MySQL, Web Development, .Net Framework, and Instrumentation.
- Online courses through NPTEL.
- Mandatory Massive Online Open Courses (MOOCs) in UG and PG programmes.
- Soft Skills training and Technical training on domain knowledge to improve employability skills.
- Online classes and tutorials through QEEE

c. Courses offered in modular form

Departments offer Certificate courses such as foreign Languages in modular form

d. Credit transfer and accumulation facility

The State Government has policy of transfer of the candidate from one institution to another institute within the state. In such case, all the credits earned in a previous institution are then transferred to accumulate for further credits.

Regulation of institute permits accumulation of credits from first year to final year to award degree based on the minimum credits acquired by the student and successful completion of essential courses.

e. Lateral and vertical mobility within and across programmes and courses

- The institute has to follow all admission rules as per State Council of Higher Education. Lateral mobility is not permitted as per government direction. Vertical mobility is automatic for any student to enter into second, third and fourth year based on eligibility of acquiring minimum credits at the end of each year.
- Students have option to do interdisciplinary projects with guides from other departments. Students have option to do internship/industry project in leading industries and national research laboratories during the final semester in lieu of doing project within the department.

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

NA

1.2.3 Does the College offer dual degree and twinning programmes? If yes, give details.

NO

1.2.4 Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

MITS is self-financing institute, accordingly the programmes offered in the institution as by nature self-financed.

Table No: 1.2.4: List of programmes offered

S.No	Programme Level	Name of Programme/course	Duration
1.	UG	B.Tech. EEE	4 Years
		B.Tech. ECE	4 Years
		B.Tech. CSE	4 Years
		B.Tech. ME	4 Years
		B.Tech. CE	4 Years
		B.Tech. EEE2	4 Years
		B.Tech. ME2	4 Years
		B.Tech. ECE2	4 Years
		B.Tech. CSE2	4 Years
2.	PG	MBA	2 Years
		MCA	3 Years
		MCA (2 years)	2 Years

	M.Tech.AMS	2 Years
	M.Tech.CSE	2 Years
	M.Tech.DECS	2 Years
	M.Tech.EPS	2 Years
	M.Tech.SPS	2 Years
	M.Tech.VLSI& ES	2 Years
	M.Tech. MD	2 Years

- The Government through centralized State level counseling makes the admissions.
- Fee structure of self-financing programmes is fixed by the state level Fees Regulatory Committee (FRC), Government of Andhra Pradesh from time to time.
- The recruitment of faculty members are strictly followed as per AICTE and state Government Norms. Institute has implemented UGC Revised Pay scale 2006 for all the faculty members.

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

The Institute has not adopted the Choice Based Credit System (CBCS) however the students have the choice to opt for open electives offered by the departments other than his/her parent department.

1.2.6 What percentage of programmes offered by the Institute follows:

- Annual system
- Semester system - **100%**
- Trimester system

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

At present, institute does not offer any interdisciplinary programmes. However, UG students have flexibility to opt for interdisciplinary elective courses from V to VIII semesters. The same policy is extended to PG programmes.

Interdisciplinary programmes shall be identified in the near future based on employment potential, requirements in industries and thrust areas as mentioned by State and Central Governments, and will be introduced at appropriate time after taking necessary approval



1.3 CURRICULUM ENRICHMENT

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

The revision of curriculum is a dynamic process, which is being carried out by Boards of Studies of the institute. The updated developments in technologies, requirements in industry and society are incorporated in the syllabus in order to intensify the knowledge on emerging areas and to enhance the job potential. The Heads and the faculty in the departments review the curriculum from time to time by getting approval from the BoS.

During the last syllabus revision in 2014, several elective courses were introduced in the curriculum to specifically address the social relevance and job orientation aspects in the programmes. Taking B. Tech in mechanical engineering as one example, Table 1.3.1 provides a list of courses that are socially relevant and job oriented, included in the curriculum for that programme.

Table 1.3.1: List of courses for B.Tech in Mechanical Engineering Programme (Autonomous Syllabus) that are socially relevant and job oriented

S.No.	Course name	Social relevant	Job oriented	Both
1	Functional English	M	H	M
2	Technical Report Writing	M	H	M
3	Environmental Science	H	M	M
4	Principles of Economics	M	H	M
5	Probability & Statistics	M	H	M
6	Computational Fluid Dynamics & Applications	L	H	L
7	Introduction to MEMS	N/A	H	N/A
8	Solar Thermal Process Engineering	H	H	H
9	Entrepreneurship	M	H	M
10	Project Management	M	H	M
11	Professional Ethics	H	M	M
12	Human Resource Development	L	H	L
13	Green Chemistry and Catalysis for Sustainable Environment	H	H	H
14	Robotics	L	H	M
15	Biomedical Imaging	H	H	H
16	Green Buildings and Energy Conversion	H	H	H
17	Environmental Impact Assessment	H	M	M
18	Geotechnical Earthquake Engineering and Machine Foundations	H	H	H
19	Effective Public Speaking	H	H	H
20	Creative Writing	H	H	H
21	Phonetics and Spoken English	H	H	H
22	Entrepreneurship Development	M	H	M
23	Introduction to IPR	L	M	L



24	National Service Scheme (NSS)	H	L	L
25	Business Ethics and Corporate Governance	M	H	M

L= LOW; M= MODERATE; H= HIGH

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

- Inter-disciplinary - NIL
- Programmes in emerging areas

M.Tech- Solar Power Systems

M.Tech- VLSI & Embedded Systems

Table No: 1.3.2: List of the programmes introduced

S.No	Programme	Year of introduced	Intake
1	M.Tech. Solar Power Systems	2014-15	18
2	M.Tech. VLSI & Embedded Systems	2014-15	18
3	B.Tech. Civil Engineering	2014-15	60

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

The strategies adopted for revision of existing syllabus

- Analyzing feedback from the students, alumni and subject experts.
- Referring to the syllabi of IITs, NITs and other reputed universities.
- Inviting formal and informal suggestions from industrial experts, academicians and scientists
- Considering the modifications in the syllabi of examinations like GATE, ILETS, IES and Civil Services.

The new curriculum under Autonomous system is implemented from the academic year 2014-15.

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

The following are the value added courses offered in UG and PG programmes:

- Foreign Languages certificate courses such as Japanese, Spanish, French & German
- Skill Development certificate courses
- Certificate courses like J2SE (Core JAVA) & J2EE (Advanced Java), PHP, MySQL, Web Development, .Net Framework, Instrumentation, Auto CAD
- IBM certificate courses

- Introduction of Elective and Audit Courses.
- Mandatory Massive Open Online Courses (MOOCS) in IV to VIII semesters through Edx, Coursera, Udacity and NPTEL.
- In-house internships for hands-on experience relevant to the program of study
- Introduction of Foreign Languages certificate courses such as Japanese, Spanish & German
- Barclay-GTT connect sponsored soft skills development training program.

To ensure that all students have access to the value-added courses:

- The benefits of the value-added courses offered by the college are widely advertised among the student community so that they can choose the courses that are in-line with their career aspirations.
- The course timings are scheduled after the regular class hours or during holidays.

1.3.5 Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

- Skill based certificate programmes on Big Data Analytics and Cyber Security are offered in collaboration with NASSCOM and Andhra Pradesh State Skill Development Corporation (APSSDC).
- MITS is sanctioned Skill Development Centre (SDC) by APSSDC to train students and the local educated and uneducated persons to enhance their employability skills.
- It is proposed to offer a few skill development programmes to boost the employability and productivity of the local youth in and around the Institute by joining hands with National Skill Development Corporation (NSDC) and Standard Training and Assessment Rewards skill (STAR) of the Central Government.

The details of skill development training programmes organized by Skill Development Center during the last three years are given in the tables from 1.3.5 to 1.3.5.3.

Table 1.3.5.0: Details of the skills development training programs

S. No.	Name of the Department	Title of the training program/add on courses	Target Participants	No. of Participants
1	CSE	Web applications	UG/PG	223
		Mobility made possible	UG/PG	416
2	ECE	Instructional Design Delivery	UG/PG	33
3	MBA	EXCELSAGE	Students, Faculty	188
		“Tally ERP Package 9.0”	Students, Faculty	180

Table No 1.3.5.1: Details of the Skill Development Training programmes conducted with APSSDC

S.No	Name of the Program	Period	No. of Students Participated
1	App Development Program	15 Jan 2015 to 31 Jan 2015	40 (CSE of various Colleges)
2	Projects and Skills Training	9 Feb to 17 Apr, 2015	55 (50 CSE + 5 MCA)
3	Mini Project Program	27 July to 24 Sep, 2015	59 (55 CSE + 4 ECE)
4	Faculty Development Program on Arduino	14 Oct to 12Dec, 2015	7 Faculty 14 Students(M.Tech(ECE))

1.4 FEEDBACK SYSTEM

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

Feedback is collected regularly from the students and the inputs are discussed with the members of Departmental Advisory Board (DAB) and the proposals are submitted for the recommendations of the BoS concerned.

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

- Workshops and webinars are conducted on the recent trends and developments in technology, OBE and Curriculum Development.
- Guest lecture is arranged on role of teachers in making their students employable and the need for imparting practical skills held on 27-20-2015.
- A workshop on ABET accreditation essentials & preparing for accreditation held on 24-02-2015.
- A workshop on Roadmap to Autonomous was held inviting experts from autonomous institutes and IIT-M and S.V.University held on 18-05-2015.
- A workshop on Implementation of Autonomy by university authorities was organized.
- An expert team from BITS Pilani, Hyderabad visited to MITS for curriculum evaluation on 23-03-2015
- A guest lecture on curriculum development on 18-12-14 by Prof. Kiran NITTE Bangalore
- Institutes like IIT-H, BITS Pilani Hyderabad, IIM-Indore, and MSRIT-Bangalore are approached before designing the curriculum. Faculties are deputed to attend various workshops in the reputed organizations.



- Signed MoU with IIT-Hyderabad for exchange of resources and training the faculty. A workshop was organized exclusively for MITS faculty in framing M.Tech curriculum.
- An understanding with BITS Pilani, Hyderabad for curriculum design of B.Tech programmes. Accordingly, workshops phase-wise are being held in designing and executing the curriculum.
- Inputs/suggestions given by the foreign professors, who visited the institute through IUCEE, and also by the native professors are considered. Syllabi of MCA, B.Tech Computer Science and M.Tech Computer Science were designed under the supervision of Dr. Ganta Subbarao, CEO, APSSDC and ex-professor of MIT, USA.
- MBA curriculum designed under the supervision of experts from IIM-Indore and Christ University-Bangalore.
- BoS of all the departments are constituted inviting academicians, industrialists and scientists from reputed organizations as members.
- The faculty members are currently members of various professional bodies. The institute faculty interacts with the fellow members of the professional bodies to get guidelines on curriculum development.
- Feedback from the alumni, parents, employers, is also collected on curriculum design.
- 3 to 5 percent of our graduating students are admitted in M.S. programmes in USA, UK, Australia and European countries based on the performance in the UG. After thorough exercise at the department level, a new curriculum is proposed by incorporating feedback and suggestions received from various sources. The same is submitted to Board of Studies of concerned department and Academic Council for final approval.

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

Mechanism of collecting the feedback on curriculum enrichment:

- Alumni feedback is collected through emails, personal interaction, at welcome function of alumni association and annual alumni meeting.
- Qualified alumni with a rich industrial experience as a member of BoS.
- Employer feedback is obtained from various organizations through email and interaction sessions at various prominent locations.
- Industrial experts are nominated as members in BoS of various departments, Academic Council and Governing Body of the institute. Their advice and suggestions are considered while designing the curriculum.
- Feedback on curriculum and institute facilities is collected through one to one interaction with faculty members, HoDs and Principal. It is also collected in parents meeting conducted after every semester to review academic performance and growth of the students.



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

- Quality Assurance Cell is established to monitor the quality in curriculum, teaching-learning and evaluation process.
- Student assignments are submitted only through MOODLE - an online platform.
- B.Tech and M.Tech projects, PhD dissertations and any paper/article by faculty or students are verified for originality through Anti Plagiarism Software URKUND (Turnitin earlier) before they are published.
- Guidelines and norms prescribed by regulating bodies such as NAAC-UGC, NBA-AICTE and JNTUA, Ananthapuramu are adapted.
- Assessment of Course Outcomes (COs), Programme Outcomes (POs) and Programme Education Objectives (PEOs) carried out from time to time.
- Faculty Development Programmes (FDPs) are organized throughout the year on emerging areas. Similarly faculty members are encouraged to participate in FDPs conducted in other institutions.
- Co-curricular and extracurricular activities such as games, sports, social services and student club activities are monitored regularly.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 STUDENT ENROLMENT AND PROFILE

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

The State Council of Higher Education, Government of Andhra Pradesh offers wide publicity for admission into different institutes in Andhra Pradesh for UG and PG Programmes in Professional courses like B.Tech, M.Tech, MBA and MCA.

The State Council of Higher Education notifies EAMCET for admission into B.Tech, ECET (FDH) for admission into B.Tech lateral entry (II Year), and PGECET for admission into M.Tech and ICET for MBA & MCA.

The detailed information for admission into above programmes is made available through authorized website of APSICHE (<http://www.apsche.org>)

The admission procedure is fully transparent, based on the merit and counseling done by APSICHE. Hence, there is no scope for any deviation.

The Institute also creates awareness on admissions into professional courses by conducting various programmes/activities such as

1. Model EAMCET
2. Meetings with principals of junior and degree colleges
3. Awareness programme 'CRESCENDO' for final year graduate students.
4. Awareness camps at counseling centers and villages
5. Wide advertisement through local & national media

The institute publishes brochures highlighting vision, mission and policy of the institute, programmes offered, achievements, milestones and infrastructural facilities.

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

B.Tech, M.Tech and MBA Courses

Admission process is centralized and convened by APSICHE through common entrance tests such as EAMCET, ICET, ECET (FDH) and PGECET.

Admissions are made in two categories (A &B)

Category A: 70% of the total seats are filled through online counseling carried out by APSICHE as per merit cum Reservation policy of the State Government.



Category B: The institute makes 30% of admissions as per merit and guidelines of the APSCHE

20% Super Numeric seats of II B.Tech programmes are filled up with diploma holders based on their ranks obtained in ECET (FDH) and reservation policy of State Government by APSCHE.

Ph.D program

The institute has nine JNTUA Recognized Research Centres (RRC) in various departments. These centers provide research facilities for full time Ph.D scholars. JNTUA conducts common entrance test, 'RESET' for admission into Full-Time and Part Time Ph.D Programs. JNTUA allots full-time Ph.D Scholars to the RRC centers based on their rank in the entrance examination and eligible Guides available in the Research Centers.

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

Yes, the institute has a mechanism to review its admission process and student profiles annually. The admission section prepares the best and the last ranks of the students admitted in various programmes under various categories such as ST, SC, OBC, General, male, and female to keep track of the priority or favorability of given programme among the students.

The Academic Council reviews the quality of admissions based on the report and compares with that of previous years to know the ranking of the institution in the state and suggests necessary measures to attract better students in subsequent years.

The necessary measures taken are:

- Focus on campus placements
- More co-curricular and extracurricular activities
- Concentrate on Outcome Based Learning and Evaluation

Outcome:

1. Best students with EAMCET Rank less than 20,000 are admitted.
2. More than 95% admissions.
3. It is an indicator of the student's preference to the institute over others in this region, and the steps that need to be taken to further improve our position. Continuous efforts are constantly on to address the issues related to students admission on regular basis.



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

- **SC/ST**
- **OBC**
- **Women**
- **Different categories of persons with disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and extracurricular activities**
 - Remedial Classes are conducted for slow learners
 - Book banks are arranged for SC and ST students
 - Special awareness camps are arranged in rural areas
 - Special facilities for women include waiting halls, free transportation during late hours, etc.
 - Women Grievance Cell to look after the issues of the girls students
 - Women Welfare Officer has been appointed to look after the welfare of the woman faculty members and girls.
 - Seats are allotted to the outstanding achievers in sports & games and NCC every year from the convener and the Management quota
 - Providing scribes and assistance to the differently-abled persons, if necessary and the class work related to disabled students is conducted in the first floor of every block
 - In addition, the institute has a provision to support the students who are economically weaker through merit cum means scholarships.

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

Categories	2015-16		2014-15		2013-14		2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	97	23	70	14	61	15	61	12
ST	12	6	12	2	13	3	25	3
OBC	468	147	427	141	359	149	234	97
General	453	277	387	202	297	179	205	137
Total	1030	453	896	359	730	346	525	249

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

The last four years have seen an increase in demand for ECE, CSE, ME and Civil Engineering branches due to initiation of infrastructure projects, retirement of senior engineers, large demand to cope with the global demand of IT professionals. Hence, the institute has applied for increased intake in various branches of engineering. The details of approved intake are given in table 2.1.6.

Table No: 2.1.6: List of AICTE approval for existing intake

S.No	Branch	Intake in previous year	Revised intake	Year of AICTE approval
1	B.Tech (CE)	60	60	2014
2	B.Tech (CSE)	180	240	2015
3	B.Tech (ECE)	300	360	2015
4	B.Tech (ME)	240	300	2014
5	B.Tech (EEE)	120	180	2014
6	MBA	120	240	2014
7	M.Tech (SPS)	-	24	2014
8	M.Tech (VLSI & Embedded Systems)	-	24	2014

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

YES

Course	Year of established	Year of discontinue	Reasons for discontinue
B.Tech (IT)	2007	2015	Low job potential and increase in B.Tech CSE graduates
M.Tech – Micro & Nano Electronics (2 nd Shift)	2013	2015	No admissions due to Low job potential
M.Tech – Computer Science and Engineering (2 nd Shift)	2013	2015	No admissions due to Low job potential



2.2 CATERING TO STUDENT DIVERSITY

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

The Institute organizes Orientation Programme for all the freshers immediately after their admissions. The Principal of the institute addresses the gathering of freshers and their parents by welcoming and giving the brief details of the Vision, Mission, Culture and Objectives of the institution. The distinct features of institute as well as teaching and learning methodologies, various facilities available to build-up holistic personality are explained in detail. After the Principal address, individual department HoDs explain the academic schedule, laboratory facilities, rules & regulations of autonomy, student activities, duties & responsibilities of students and parents, discipline, anti-ragging and counseling facilities.

The Institute also organizes a special campus tour to visit the various departments, library, laboratories, various sections, office, canteen, and dispensary. A special Orientation Programme is conducted for all the newly admitted students about scholarships, examinations and opportunities for higher education and employment.

A special Orientation Programme is also conducted on anti-ragging policy and how to behave with juniors. Circle Inspector, District Judge and Senior Lawyer are invited as resource persons for this programme.

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

- The Student Welfare Officer is actively involved in the efforts towards the fulfillment of varied needs of the students.
- The institute has a mechanism to identify the differential requirement of the student community immediately after admission. Based on the performance in the Intermediate and EAMCET, students are classified as slow, average and fast learners.
- Scholarly supported programmes are implemented in the institute to support the slow and average learners by conducting special remedial classes.
- The morale of the slow learners is boosted by the counselors during counseling session and concerned faculty members during the remedial and regular classes.
- The students with different background have variation of proficiency levels in English Communication levels. Hence, functional English & Technical Report Writing as the regular subjects and Effective Public Speaking & Creative Writing as Audit courses are included in the Autonomous scheme for all the students in order to improve the communication skills of the students.
- An awareness programme on scholarships, financial assistance from the government



and non-governmental sources is conducted to all the students, particularly economically backward students to fulfill their educational needs.

- Laboratories and library timings are extended to the requirement of the students to enrich their knowledge in concerned domain.

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

a) **Bridge course:** Bridge courses in Mathematics and English are offered to the newly admitted students. Courses such as Basic Engineering Drawing and Fundamentals of the Computers are conducted to intermediate students during the summer season.

b) **Remedial classes:** Academically weak students are identified in each class. The concerned subject teacher undertakes remedial classes particularly during extended hours and on 2nd & 4th Saturdays. Personality Development programmes and Bridge courses are common to all the students.

c) **Add-on courses:**

- Department of English & Foreign Languages conducts special certificate courses on Japanese, Spanish and German.
- NASSCOM certification courses on Big Data Analytics and Cyber Security.
- Skill Development Center organizes programmes to enhance employability of the students.
- Special workshops on various advanced technologies and emerging areas are conducted to the students to improve their technical knowledge on par with industrial development.

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

The concerned faculty member of the subject conducts a survey on incremental academic growth of different categories of students in his/her subject by monitoring the performance of the students in

- Internal class test
- Mid-examination
- Tutorial
- Assignments and quizzes
- End semester examinations
- Attendance



Based on the performance tests of the students and based on the performance of the students and feedback collected from the senior students, parents & faculty members, the following practices have been implemented to fulfill the varied needs of students.

Slow learners:

- Remedial classes are conducted for slow learners to overcome their deficiencies.
- Special coaching is provided for the lateral entry students in Mathematics and English.
- Special coaching is given to the B.Tech, MBA and MCA students who are lacking in communication skills and computer programming.

Economically disadvantaged students:

- Economically disadvantaged students are given information about various government and non-government scholarships and assistance.
- Staff help the students for applying scholarships
- Institution provides merit cum means scholarships to the deserving students. All required assistance is given to the students.

Physically Challenged students: The following facilities are provided to the physically challenged students

- Nominate the scribes
- Providing ramps
- Conduct the class work on the ground floor
- Issuing the library books at the concerned classrooms

Disadvantaged sections of society:

- Separate book bank is available for SC/ST students in the library
- Separate counseling is arranged for their academic guidance and other difficulties
- Facilitating the scholarship available from Social Welfare Department, Amaravathi, Govt. of Andhra Pradesh

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

The advanced learners are identified based on their performance in:

- Examinations
- Extra & co-curricular activities
- Mini projects and Design project
- Internships
- Special trainings
- National level student competitions
- Innovative projects

Strategies:

- Advanced learners are given special incentives by helping them to take up internship in various reputed organizations.
- The HoDs are directed to take extra care of the advanced learners
- Financial provisions are made far from barriers to take up advanced research projects by the students.
- Motivate the advanced learners to publish their papers online and in print journals.
- Encourage the students to participate in science and model exhibitions in order to design and execute the innovative models to give shape to their inherent ideas.
- Institute provides opportunities to develop their creativity by organizing inter-collegiate as well as National level Technical, Cultural, Literacy and Sports competitions.
- Offering special coaching for GATE, IES and Civil Services examinations

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

- Necessary arrangements like assistance of scribes and enlarge size of printing letters in question papers are made. Extra time is also provided to the needy people during the examinations.
- Classes are arranged in the ground floor, ramps & lift provision are provided for selective buildings.
- Institute provides barrier free environment specially made drawing chairs, wheel chairs and supporting stands.
- All the rules of the government and university orders are strictly followed.

2.3 TEACHING-LEARNING PROCESS**2.3.1 How does the College plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)**

Academic calendar of the institute clearly spells out the plan and schedule of all curricular, co-curricular and extracurricular activities for the entire academic year. Deviation from the plan and schedule are avoided by constant monitoring and implementing corrective actions wherever required.

Faculty handling courses develop the teaching plan for the courses and implement the same after the approval by HoD. He/ She in turn constantly monitors the progress of the teaching learning process in his/her department regularly through department meetings.

Academic Calendar:

- The academic calendars for all programmes are available in the institute website before commencement of the semester.
- Academic Calendar covers the schedule of all events in a semester, assignments, mid-term tests, end-examinations, remedial classes, seminars, workshops, conferences, internships, industrial tours, holidays, NSS activities, Sports and Games, co-curricular activities etc. The students can access the academic calendar from the institute website www.mits.ac.in

Teaching Plan:

- The approved lesson plan/handout from the concerned HoD is circulated to the students on commencement of class work in a semester.
- As per the academic calendar, the faculty members prepare their teaching plan, which includes lesson plan/handouts, lecture notes, quizzes, model question papers, mini projects, topics for seminars etc. The lesson plan will be finalized after endorsement of the concerned HoD.

Evaluation Process:

- The performance of a student in each semester is evaluated course-wise.
- Performance evaluation in each course (theory/ practical) is based on total of 100 marks, of which the relative weightage for internal evaluation and end semester examination shall be 40% and 60% respectively.
- However, Audit courses are evaluated entirely on the basis of internal evaluation.

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

Yes, at the beginning of each semester, subjects are allocated to the faculty members. They prepare a detailed plan of the course delivery or Instructional System Design (ISD). The ISD is reviewed by the course coordinator and approved by the Head of the Department. Students can access the ISD through Learning Management System - MOODLE.

As the Instruction System Design provides a complete overview about the Objectives, Plan and Outcome for each course, the stakeholders are well informed of the course and its contribution in achieving the programme outcomes. The course proceedings are ensured for its effectiveness by the following practices:

- The concerned Faculty members interact with the student representatives twice in a semester.
- An Academic Audit Committee with senior faculty members verify the course files and course registers twice in a semester.
- Teaching learning process is audited during the ISO certification of the institution.

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

Classroom lecture method is followed in theory subjects using ICT. Since the institute has adopted Outcome-Based Education, the teaching is oriented towards active learning of the students than the conventional mode of teaching. In addition, QEEE, NPTEL, MIT Open Courseware, online courses, videos and webinars are used to make the subject easy and understandable to the students. Every classroom has been provided with Intranet and Internet connectivity. E-journals have been made accessible to all the students and faculty members. Students can access the resources related to subjects through MOODLEs.

Apart from the classroom interaction, other methods of learning experience provided are:

- i. Organizing field visits to understand the real-time practices and technologies adopted in various industries.
- ii. Encouraging students to give seminars in front of the faculty on assigned topic to motivate extensive reading and presentation skills.
- iii. Encouraging students to develop creative models for exhibition
- iv. Encouraging students to participate in National level and International level competitions such as Race Car, Micro Grid, Mini Satellite, Nano Satellite, Green Building Design, Virtual Cloud Computing etc.
- v. Conducting guest lectures by eminent personalities from industries, institutions and R&D organizations.

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

Primarily the course content of different academic programmes offered in the institute are professionally oriented in the sense that they address the needs of professional environment possibly providing scope for enhanced employability of eligible and successful students of the academic programmes of the institute. Course content is developed by receiving valued inputs from experts belonging to diverse professional environments. Further, faculty are involved by extending personal attention to the students through group study, study circle, quizzes, student debates, students talks to sight a few during teaching learning process in the class room.

Apart from curricular activities several student-centric programmes are planned and implemented for holistic development of students. Activities such as cultural fest, paper presentation contests, technical quizzes, inter-institution competitions, sports and games, college day celebrations, departmental association activities, special social-service camps, various club activities, yoga & meditation etc. are organized during the academic year in order to cultivate life skills and managerial skills.

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

Every department is encouraged to invite experts from R&D organizations, higher learning institutes (National & International), industries, and training institutes to supplement teaching and learning process. Student Professional Associations arrange technical talks on various subjects in association with professional societies.

The policy for inviting the resource persons for guest lectures is laid down below:

- If the resource persons are to be invited from the academia, they shall possess Ph.D degree.
- If the resource persons are to be invited from the industry, they shall have a minimum of 5 years' experience in their respective field with a proven record of accomplishment.
- In case of entrepreneurs, no formal education is required.
- Honorarium, TA and DA will be paid to the experts from the institute funds or TEQIP-II grants.

A minimum of two guest lectures and one national conference/workshop per department will be organized per semester

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

- As the laboratories are equipped with cut-section models, the faculty can demonstrate the internal parts and their function effectively.
- Each department is strengthened by aiding simulation labs, so that the faculty can explain basics and principles of a particular course by simulating through software.
- Faculty uploads the syllabus, lesson plan, lecture notes, assignments, quizzes, e-material etc. to the open source platform MOODLE.
- Anti-plagiarism software is provided to check research papers and projects for originality.
- Faculty and students attend the Quality Enhancement in Engineering Education (QEEE), an MHRD programme, conducted by IIT Madras.
- All classrooms are well equipped with LCD Projectors for better teaching ambience.
- The entire campus is Wi-Fi enabled with a speed of 100Mbps to access all the e-resources.
- Relevant softwares for different engineering streams have been provided in the respective departments.



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

- Each faculty member counsels/mentors the performance and attitude of 15 students of UG/PG.
- The counselor is constantly in contact with the parents/guardians of the students.
- Special attention is paid to the students from rural areas, Telugu medium and different social status.
- Students who are disobedient, mentally depressed, irregular, and with poor academic performance are counseled by campus psychologist and trained faculty to bring out change in their attitude.

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

A few faculty members in various departments adopt the following innovative practices to improve the understanding level of the concepts and practical applications of concerned subjects.

- Digitalized teaching methods such as ICT, Internet Enabled Computer Systems, online tutors, and academic blogs.
- Effective utilization of e-resources - open online e-resources
- Mini project based learning
- Industrial Visits and Field Visits
- Execution of major projects on field problems in industrial environment and consultancy services.
- Online courses on various advanced technologies and emerging areas are made mandatory.
- Innovation Center and Entrepreneur Cell nurture the students for their future.

Impact of innovative practices in teaching and learning process

- i. Enhancement of technical and life skills
- ii. Improvement in placements
- iii. Increase in understanding level of the subject
- iv. Students are oriented towards innovative projects

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

The college has a policy of academic freedom at all levels; the following special efforts are taken apart from going through the regular teaching learning process:



Curriculum

- Higher objective types of Tutorials and Assignments are practiced to apply the knowledge of mathematics, science and fundamental concepts in engineering in solving the real world problems.
- Laboratory works are augmented with an additional exercises and a Mini projects to kindle the students and bring out their own novel ideas.

Beyond the curriculum

- Student clubs on English, Technology, Science, Yoga & Mediation, Culture, Event Management, etc. conduct various activities regularly.
- Innovation and incubation centres encourage the students to plan their start-ups.
- Internship in various industries and organizations during the vacation and project period.
- Paper presentation by students in national and international symposiums and conferences.
- Paper contests, model exhibitions, technical tours, industrial visits, technical quizzes, workshops and training on emerging areas to impart practical knowledge and industrial exposure.
- The students are encouraged to poster technical write-ups in their own space such as Intranet/Notice Boards.
- Industrial exposure is made to the students by arranging regular visit and In-plant training to the industries, the duration ranging from one day to two weeks.
- Design contests are conducted to present student's novel ideas

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

Yes, it is mandatory as per the course curriculum of JNTUA, the affiliating university of the institution. They are mandatory in four years duration degree program in engineering, two years duration PG programmes in computers application, engineering and management and three years PG programme in computers applications currently offered at the institute.

Number of projects executed within the Institute

Table No: 2.3.10: Number of projects executed within the institute

S. No.	Dept.	2015-16		2014-15		2013-14		2012-13		2011-12	
		UG	PG	UG	PG	UG	PG	UG	PG	UG	PG
1	EEE	15	29	14	30	14	25	15	34	15	15
2	ECE	38	31	28	40	28	26	27	15	33	16
3	ME	28	10	17	12	08	19	8	12	5	NA
4	CSE	30	20	31	64	45	69	27	68	33	72
5	MCA	NA	86	NA	51	NA	55	NA	51	NA	52



Names of external institutions associated with the Institute for student project work

Name of the Organization
National Atmospheric Research Laboratory, Tirupati
BHEL, R&D, HYD
Bharat Electronics Bangalore
National Aerospace Laboratories (NAL)
Hindustan Aeronautics (HAL)
BEL
BEML
Bosch Ltd.
Ultratech Cements
Zindal Steel Plant
MG Metallic springs
Amarraja Batteries
ISRO

Department of Management Studies

S.No	Name of the Company	S.No	Name of the Company
1	Natco Pharma	23	Big Bazaar
2	Karvy stock Broking	24	Motilal Oswal Securities Ltd
3	Ashok Leyland Ltd	25	Genpact
4	Angel broking	25	Sujala Pipes Pvt Ltd
5	Madhucon Sugar & Power Industries Ltd	27	Precot Meredian Ltd
6	Kotak Mahindra Bank	28	Trustline Securities Ltd
7	Sree Rayalseema Alkalies & Allied Chemicals Ltd	29	Ultratech Cement
8	Genesis Financial Solutions	30	TAFE Motors & Tractors ltd
9	SBI Life Insurance	31	Dora Plastics Pvt ltd
10	APGENCO	32	Share khan Ltd
11	ING Vysya Bank	33	ICICI Bank
12	Dr Reddy`s Laboratories	34	Hindustan Unilever Ltd
13	Anantha PVC Pipes Pvt Ltd	35	My Home Industries Ltd
14	Nutrine Confectionery Company Pvt Ltd	36	LG Electronics
15	Phoenix Motors Pvt Ltd	37	Lanco Industries Ltd
16	Kesoram Cement Ltd	38	Birla Sunlife Insurance Co Ltd
17	Syndicate Bank	39	Penna Cement Industries Ltd
18	India Bulls	40	GVK Power & Infrastructure Ltd



19	Agsar Paints Pvt Ltd	41	Hetero Health care Ltd
20	Aditya Birla Money Ltd	42	Zuari Cement Ltd
21	India Infoline Ltd	43	The Madanapalle Town Cooperative Bank
22	Yesses Anodizing Industries Pvt Ltd	44	SBI Fund Management pvt ltd

- **Role of the faculty in facilitating such projects**

- Projects are allotted by industry/service organization to the selected students in the area of their interest under the supervision of faculty members.
- The supervisors in collaboration with the external supervisors, monitor the projects.
- They also provide regular updates to the project coordinator and the HoD on the status of the project work and any deviations are immediately reported to the HoD for suitable action.
- Internal committee comprising of the senior faculty members, internal supervisor, and HoD evaluates the progress of the projects.
- After the completion of the project, students make final presentations in the company in the presence of the supervisors and a senior professor.

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

- Various workshops and training programmes on computer-aided teaching and learning methods.
- All the classrooms and seminar halls are equipped with LCD and internet facility.
- Desktops / laptops are provided to the departments.
- Airtel CUG Sims and 4G Airtel Hotspots are provided to all the Senior Professors, Deans, and Heads for Wi-Fi connectivity to utilize the e-resources from their houses.
- The Institute library subscribes E-Journals of ASME, IEEE, Science direct, Springer, E-books of McGraw Hill, N-LIST (National Library and Information Services Infrastructure for Scholarly Content), and UGC-INFONET Digital Library Consortium.
- All the e-resources can be accessed through Digital Library
- QEEE conducts various online courses in phases.
- Laboratories are equipped with updated softwares.
- A separate lab for Business Analytics with updated softwares.

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

Yes, the institute has a mechanism for evaluation of teacher by the students. The



feedback covers planning and organization of lecture, teacher knowledge in subject, regularity, evaluation of the answer scripts, communication skills etc.

The feedback on faculty is collected through online. The HoD and Vice Principal discuss the feedback reports of individual faculty. Then HoD counsels and advises the concerned faculty member to improve the teaching skills.

The Feedback of the faculty is one of the important criteria for increments and promotions.

Alumni feedback is collected on teaching and learning process, laboratory facilities, placement facilities, e-resources, computing facilities etc. at the farewell function and annual alumni meet. The results of feedback are discussed with the Principal to take necessary remedial measures.

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

Yes, there are certain unforeseen challenges such as bandh, strikes, natural disasters, manmade disasters, delayed admissions etc. that hamper the schedule of the academic calendar. The syllabus is covered effectively by conducting special classes beyond regular class hours.

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

The central library has a good number of volumes of books, periodicals, national and international journals and e-resources like DELNET, IEEE, Springer, Science Direct, N-LIST, CDs, NPTL and OCW of MIT, e-books of McGraw Hill etc.

All department libraries are facilitated with prescribed books and course materials as per course curriculum.

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

- Monitoring of class work and laboratories by the concerned HoD
- Collecting feedback from the students
- Conducting departmental meetings periodically (monthly) to discuss various issues related to syllabus, progress of the students, discipline etc.
- Conducting College Academic Committee meetings to discuss the quality of teaching and methods of teaching and evaluation.
- Collecting performance appraisals from the faculty(PBAS)
- Preparing reports by IQAC on various aspects of the quality of the institution and necessary remedies to be taken to overcome the hurdles in achieving the assured quality.

2.4 TEACHER QUALITY

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

Total faculty strength	: 322
Total required	: 283
Total faculty recruited	: 322
Outside State	: 117

2.4.2 How are the members of the faculty selected?

- A well-staffed and experienced human resources department exists in the institution to plan, organize and manage matters related to recruitment, selection, promotion and reward of the faculty members and staff.
- On receiving the list of vacancy positions from heads of various departments and approved by the BoG for recruitment are notified in print and electronic media.
- Screening test is conducted for the junior cadre posts and eligible candidates are called for interview.
- Profiles are shortlisted for the senior faculty members based on their experience and achievements.
- Well-constituted selection committee conducts the interviews.
- Candidates with qualification as per AICTE norms are selected based on the recommendations of interview committee comprising internal and external experts.
- The institution, in general, considers the recruitment of well-qualified faculty with futuristic growth and development in the mind, rather than merely to meet the basic regulatory needs.

2.4.3 Furnish details of the faculty

Table No: 2.4.3: Details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	--	--	--	--	2	--	2
Ph.D.	23	2	22	2	83	16	148
M.Phil	--	--	1	--	2	3	6
PG	--	--	3	128	131	32	166



2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

Table 2.4.4: Department wise details of faculty qualified in various competitive examinations such as GATE, UGC-NET, SLET, CSIR-NET

S. No	Department	Name of the exam	Number of faculty qualified in the competitive examinations	% of faculty qualified in the competitive examinations	% of teachers with PG as Highest qualification
1	CE	GATE	3	60	100
2	EEE	GATE	7	28	100
3	ECE	GATE	5	3.97	100
4	ME	GATE	6	14.28	100
5	CSE	GATE	4	9	100
		UGC-NET	2	5.12	
		SLET	2	2.56	
6	MBA	UGC-NET	8	25	100
		SLET	4	12.5	
7	MCA	SLET	1	3.45	100
8	MATHS	UGC-NET/SLET	1	7.1	100
9	PHYSICS	GATE	3	28.6	100
		UGC-NET	1		
10	CHEMISTRY	GATE	3	27.7	100
		UGC-NET	3		
		CSIR-NET	2		
11	ENGLISH	SLET	2	10	100
12	HUMANITIES	UGC-NET	3	50	100

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

Table 2.4.5: Diversification of the faculty

Department	% of faculty who are product of the same Institute	% of faculty from other Institutes within the State	% of faculty from other States	% of faculty from abroad
ECE	19.05	22.22	53.97	4.76
Civil	-	28.57	71.43	-

CSE	19.44	36.11	41.67	2.78
EEE	8.00	40.00	52.00	-
ME	6.52	19.57	67.39	6.52
BSH	1.23	53.09	28.40	17.28
MCA	21.43	32.14	46.43	0
MBA	8.33	41.67	44.44	5.56

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

Yes, the Institute has the required number of qualified and competent teachers to handle classes. 178 regular faculty members were appointed during last four years. At present out of 296 faculty members, more than 110 faculty members are doctorates. 10% of the faculty members have more than 20 years' experience in educational institutions and industries. Well-experienced retired professors and senior officers from reputed private and government organizations are appointed at senior levels.

S.No.	Year	No. of faculty recruited
1	2015-16	83
2	2014-15	71
3	2013-14	24
4	2012-13	51
5	2011-12	32

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

The eminent faculty from IITs and NITs are regularly invited for delivering guest lectures in various departments.

Visiting Faculty (MBA)

Dr. Dayanand Arora, visiting Professor of International Finance and Accounting, University of Applied Sciences, Berlin, Germany

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

- Sponsoring the faculty members for attending and presenting papers at the



- national/international conferences with financial assistance.
- Arranging In-House-training programmes to update the technological and managerial skills of the faculty members and non-teaching staff.
- Sponsoring the faculty members and non-teaching staff for training programmes and workshops on emerging technologies.
- Sanctioning paid study leave for 1-2 months to the faculty members to complete their Ph.D thesis preparation and submission to the university.
- The institute receives a grant of Rs.4 crore from the World Bank, Central and State Government under TEQIP-II phase SC 1.2 to improve the quality of education.
- The Management encourages faculty members to obtain their Ph.Ds. and extends necessary support for early completion of Ph.D.
- Sponsored 30 faculty members to Management Capacity Enhancement Programs conducted by IIMs under the scheme TEQIP-II
- Faculty members can avail seed money for research and organizing conferences/seminars.

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

Table 2.4.9: Year wise details of the faculty who received the awards/recognition for excellence in teaching

Year	Department	Name of the faculty	Awards / Recognitions received	Granting agency
1999	Chemistry	Dr. P. P. George	Dr. K. Suryanarayana Murthy Memorial Prize	S.V. University
2004	CE	Dr. N. Kumaraswamy	Living Science Award	International Biographical Center, UK
2005	Chemistry	Dr. P. P. George	Lady Davis Fellowship	Hebrew University of Jerusalem, Israel
2006	CE	Dr. N. Kumaraswamy	Leading Engineer Award	International Biographical Center, at Cambridge, UK
2008	CE	Dr. N. Kumaraswamy	The Sir Arthur Cotton Memorial Award	The Institution of Engineers, India
2009	CE	Dr. N. Kumaraswamy	Man of The Year India	American Biographical Institute, USA
	Chemistry	Dr. K. Mohan Kumar	Dr. U.V. Rao Memorial Award	The Indian chemical Society
2010	CE	Dr. N. Kumaraswamy	The Brij Mohan Lal Award	The Institution of Engineers, India
	Humanities	Dr. K. Srinivasa Rao	Best Teacher Award	Lions Club



2011	ME	Dr. C. Yuvaraj	“Best Educationist Award”	International Institute of Education and Management, New Delhi
	ME	Dr. C. Yuvaraj	“Rashtriya Vidya Gaurav Gold Medal Award”	Indian Solidarity Council, New Delhi
	CE	Dr. N. Kumaraswamy	American Order of Merit	American Biographical Institute, USA
2012	CE	Dr. N. Kumaraswamy	Best Service Award	Rotary International Club
	Chemistry	Dr. S. Elamathi	Research Award	VIT University
2014	CSE	Mrs. S. Kusuma	TGMC Mentor award	IBM
	CSE	Mr. B. Krishna Sagar	TGMC Mentor award	IBM
	Humanities	Dr. K. Srinivasa Rao	Best Citizen Award	Citizen Welfare Forum
2015	Humanities	Dr. K. Srinivasa Rao	Outstanding Faculty Award	Venus International Foundation
2016	EEE	Dr. A. Sudhakar	Research Excellence Award	Indus Foundation
	Humanities	Dr. K. Srinivasa Rao	Teacher Achiever Award	Navraj Educational and Charitable Trust

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

Ye ar	Nature of staff development programme	Number of faculty undergone staff development programmes											
		C E	E E	E C	M E	C SE	Ma ths	Phy sics	Chemi stry	Engl ish	M BA	M CA	Huma nities
2011-12	Refresher courses	-	-	-	-	-	1	-	-	-	-	-	-
	HRD Programmes	-	-	-	-	-	1	-	-	-	-	-	-
	Orientation programmes	-	-	5	-	-	1	-	-	-	-	-	-
	Staff training conducted by the Institute	-	2	2	12	21	1	-	-	-	-	-	-
	Staff training conducted by University/ other Institutes	-	2	6	-	11	1	-	-	-	-	1	-



	Summer / winter schools, workshops, etc.	-	15	25	13	7	1	-	-	-	-	10	-
	National/ International conferences	-	2	3	-	-	3	-	-	-	1	14	-
2012-13	Refresher courses	-	-	-	4	-	-	-	-	-	-	-	-
	HRD Programmes	-	1	-	-	-	-	-	-	1	-	-	-
	Orientation programmes	-	1	7	-	-	-	-	-	-	-	-	-
	Staff training conducted by the Institute	-	4	1	22	25	-	-	-	-	-	-	-
	Staff training conducted by University/ other Institutes	8	-	-	-	16	-	-	-	-	-	5	-
	Summer / winter schools, workshops, etc.	1 4	30	10	23	18	4	-	-	-	-	8	-
	National/ International conferences	4	4	5	-	-	6	-	-	-	1	14	-
2013-14	Refresher courses	-	1	-	2	-	2	-	-	-	-	-	-
	HRD Programmes	-	1	-	-	-	-	-	-	-	-	-	-
	Orientation programmes	-	1	3	-	-	-	-	-	-	-	-	-
	Staff training conducted by the Institute	-	4	1	23	25	-	-	-	-	-	-	-
	Staff training conducted by University/ other Institutes	-	2	6	2	17	-	-	-	1	-	-	-
	Summer / winter schools, workshops,	2	12	25	21	14	3	8	-	-	1	8	-



	etc.												
	National/International conferences	3	4	6	-	-	6	-	-	-	30	4	-
2014-15	Refresher courses	-	-	-	5	-	10	-	-	5	-	-	-
	HRD Programmes	-	-	-	-	1	-	1	-	6	-	-	-
	Orientation programmes	-	-	4	-	12	-	-	-	-	-	-	-
	Staff training conducted by the Institute	-	3	3	13	30	-	-	4	-	-	-	-
	Staff training conducted by University/ other Institutes	5	3	30	3	12	1	-	-	-	11	2	-
	Summer / winter schools, workshops, etc.	7	21	31	19	13	6	-	21	-	-	10	-
Any other (National/ International conferences)	8	3	2	-	-	4	2	-	-	19	7	-	

2.4.11 What percentage of the faculty have

- been 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
- teaching experience in other universities / national institutions and others
- industrial engagement
- international experience in teaching

Table No: 2.4.11
Faculty participation in seminars/workshops/conferences/teaching (External)

S. No	Department	% Invited as Resource Persons	% Participated in External Workshops	% Presented papers in Workshops / Seminars / Conferences	% Teaching experience in Other Universities	% Industrial Engagement	% International experience in teaching
1	CE	-	60	20	40	-	-
2	EEE	-	43.33	-	36.66	-	-
3	ME	10	61	54	-	20	-
4	ECE	2.14	64.15	71.3	38.59	22.8	5.26
5	CSE	-	-	79.48	25.64	7.69	-
6	MBA	03	25	97	70	-	7
7	MCA	17.24	44.8	47.37	65	-	3.45
8	MATHS	6.5	37.75	34.5	-	-	-
9	PHYSICS	-	50	10	30	-	10
10	CHEMISTRY	-	27.7	11.11	11.11	-	5
11	ENGLISH	-	50	75	-	-	-
12	HUMANITIES	-	16.6	100	67	16.66	-

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

- **Curriculum Development**

- Curriculum development is a continuous process. The Academic Advisory Committee (AAC) / Department Advisory Board (DAB) of each department convene a meeting at the beginning of each semester. Based on the attained COs, POs & PEOs and according to the latest developments in the domain, the members suggest modifications, if required.
- The proposed curriculum is further modified as suggested by the Professors of BITS- Pilani, Hyderabad and the proposed curriculum of M.Tech is further revised after interacting with the Professors of IIT-Hyderabad. Similarly, the curricula of MBA and MCA also are submitted to appropriate institutions / members for suggestions.

- **Teaching-learning methods**

- Several trainings and workshops on pedagogy were organized for the faculty NITTTR Chennai conducted FDP on curriculum development for training 60 faculty members from 22-12-2014 to 26-12-2014.
- Faculty members attended various workshops on pedagogy at other organizations such as ESCI,
- Senior faculty members who are trained on pedagogy conduct classes for their juniors. Faculty development programs are conducted under TEQIP-II.

- The Department of Management Studies has tie up with National Information Security Market for Certification program on financial markets, mutual funds, capital market basic module, Derivative modules, and other module for students and faculty members.
- **Examination reforms**
 - Introduction of grade system in the place of marks.
 - Introduced the semester system from 1st year onwards for all the programmes.
 - Continuous Evaluation throughout the year by considering online assignments, surprise tests, demo experiments, mid-term examinations and day-to-day performance.
 - Revision of exam pattern and reformation for every 2 years.
 - Question papers for End-semester examinations, are obtained from peer institutions.
 - Double evaluation of answer scripts by internal and external examiners.
- **Content / knowledge management**
 - Lesson plan/handout with COs prepared by the faculty concerned and approved by the HoD is made available to the students at the beginning of each semester.
 - Lecture notes / teaching material prepared by the faculty is made available to all students through MOODLE.
 - Awareness is created on using e-learning material and open source content.

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

The faculty members have modified teaching plans by adopting new teaching strategies to achieve the required COs, POs and PEOs.

- Design based experiments are initiated in each laboratory
- Case study analysis
- Innovative Projects

The above innovations have resulted in

- Problem solving approach
- Creating thinking
- Better placements

2.4.14 Does the College have a mechanism to encourage

- **Mobility of faculty between institutions for teaching?**

The institution has an understanding with higher learning institutions-BITS Pilani, Hyderabad and IIT, Hyderabad for mobility of faculty members. The institution also invites faculty members from other higher learning institutions like IITs and NITs, Deemed universities etc. to share their experiences with students and faculty members.



- **Faculty exchange programmes with national and international bodies. If yes, how have these schemes helped in enriching quality of the faculty?**

Efforts are in process to collaborate with foreign universities.

2.5 EVALUATION PROCESS AND REFORMS

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

Evaluation process consists of continuous assessment in the form of home/ class assignments, quizzes, schedule/surprise tests, presentations, case studies, group discussions, projects and midterm examinations. Evaluation process is transparent. The changes in the evaluation process are planned and proposed to be effected from subsequent years are discussed with the stakeholders of the institution before implementation. Evaluation processes of academic and extracurricular activities are informed to the stakeholders of the institution through following ways

- Handbook consists of rules and regulations examination pattern, evaluation methods including the grades and academic schedule at the time of registration.
- Evaluation process including academic calendar is posted on the institute's website, which is accessible to all the stakeholders.
- The Controller of Examinations sends the circulars related to examination dates and examination pattern from time-to-time.
- At the time of I B.Tech orientation programme, HoDs address the students on various aspects of academic rules and regulations and evaluation pattern.
- Evaluation methods are also discussed in parents and alumni meetings.

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

- Double Evaluation system has been introduced. Two examiners (Internal & External) evaluate every paper. Students felt that justification has been done for their efforts in examination by this method.
- Project work, assignments and mid-term examinations are made part of evaluation
- Ten marks are allotted for the assignments in respective theory subjects
- Jumbling system is implemented in seating arrangement in order to avoid malpractices.
- Project works, theses and research publications are checked with anti-plagiarism software before submission.

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

- Continuous evaluation is implemented for the UG & PG programmes.
- In the UG programmes, continuous evaluation carries 40% weightage and semester examination evaluation 60% weightage.
- The components of continuous evaluation are mid-term examinations, assignments,

quizzes, surprise tests, debate, Group discussion etc.

- Two mid-term examinations and two assignments are conducted in a semester; one at the middle and second test before the commencement of semester examination.
- After every mid examination, the corrected answer scripts are distributed to students to know their actual performance.
- Continuous evaluation comprises 30 marks for mid-term examinations, 10 marks for assignments in a semester.
- Anti-plagiarism software URKUND is used to check the originality of assignment
- Double valuation is adapted for evaluation of End semester examination by the external and internal examiners.
- UGC grading system is adapted for awarding of Degree

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

Theory subjects: Each theory subject is evaluated for 100 marks, which consists of 40 marks for internal assessment and 60 marks for the End semester examinations. Out of 40 marks allotted for internal assessment, 30 marks is awarded by taking the average marks of two mid examinations and 10 marks is awarded for two assignments. Assignments are given in the form of written test/quiz/projects.

Laboratory course: The internal evaluation of practical courses is 40 marks based on day-to-day performance of the student in the laboratory. The faculty member acts as internal examiner and senior faculty member as external examiner nominated by the Principal for end semester examinations. The end semester examination is conducted for 60 marks.

Audit Courses: An audit course is useful for student to self-enrichment and academic exploration. Audit courses are mandatory from III semester onwards for all the programmes. The evaluation system for them is internal.

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

The institute strictly adheres to the declared examination schedules.

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

The average time taken to declare the examination results is about 30 to 45 days after the completion of final examination. The examination results of each semester are displayed in the notice board and in the institute website.



2.5.7 Does the College have an integrated examination platform for the following processes?

– attendance capture, OMR based exam result, auto processing, generic result processing and certification.

Yes, the institute has an integrated examination platform for the following process

Pre-Examination processes:

- The date of commencement of End semester examination is finalized with the consultation of Deans, HoDs, Senior Professors and class teachers. The schedule of the examination is given in academic calendar. The examination timetable is displayed in institute's notice board and website.
- Senior faculty members from reputed institutions are nominated in the panel of examiners for paper setting and evaluation. Question papers are obtained from approved panel of examiners one month before the commencement of the End semester examinations.
- Nominal roles of the candidates who satisfy the conditions for promotion are prepared to make seating plan, attendance sheet and list of invigilators required for each day.
- The Chief Superintendent assigns internal squad duty with HoDs and room wise invigilators duty.
- Required stationary including answer books and other material for conducting the examination are procured in advance.

Examination process:

- Question papers are ready and kept in sealed covers under the custody of chief superintendent
- Controller of Examinations hands over the question papers to the Chief Superintendent of examination half an hour before the commencement of examination.
- Room wise file containing seating plan, attendance sheet, answer booklets, additional sheets, and threads is handed over to invigilator half an hour before the commencement of examination.
- Question papers packet is handed over by the Assistant Superintendent of examination and confidential cell invigilator just five minutes before the commencement of examination.
- Room wise attendance is collected from the examination hall after half an hour from the commencement of examination.

Post examination process:

- After the completion of examination, Examination Cell staff collects answer books from the invigilators after due verification with room wise attendance.
- After coding, answer booklets are made into bundles of each 40 and the same are



transferred to valuation hall.

- The valuation starts with the preparation of key, conducting a meeting with the evaluators, and discussing the guidelines of the valuation.
- Chief Examiner reviews the answer books randomly from the bundles of answer books after valuation by evaluators.
- After the completion of valuation, the two examiners prepare award lists. If the difference of the marks allotted by the two examiners is more than nine marks, third examiner will evaluate particular answer script for finalization of the marks.
- The result committee consisting of Principal, Controller of Examiner and Senior Professor as University Nominee discusses the result analysis and approves the results for declaration.
- After the approval of result committee, decoding is done after thorough verification of coding scripts. The results are declared through online and displayed in the notice board.

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

Ph.D evaluation process is under purview of affiliating university, JNTUA, Ananthapuramu.

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

- A confidential office has been allotted with a separate chamber for the CoE. A strong room with double locking system has been provided which has been attached the CoE's office. Hence, it is constantly under the surveillance of the CoE.
- A dedicated team consisting of two Assistant Controller of Examinations, 4 office assistants and 2 sub staff has been provided.
- The examination section is well equipped with furniture for storage. The external hard disks to take backup, personal computers with UPS photocopiers, printers, and a separate internet connection are available to store the confidential material.

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

- The institute follows stringent evaluation process to avoid any discrepancy. In case of any grievance, redressal committee examines the grievances as per the procedures stipulated by the academic council.

2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES

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

Yes, Institute has clearly stated outcomes for its programmes.

- PEOs (Programme Educational Outcomes), POs (Programme Outcomes) are

displayed at prominent locations in the department as well as the institution besides getting it highlighted in the website of the institute.

- HoDs explain the outcomes of the each program in orientation programme for freshers.
- At the beginning of academic year, the course outcomes are reviewed in the departmental meeting to familiarize the outcomes.
- The faculty members discuss the outcomes expected by the students in the first class of the semester to make them aware of the same.

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

- Preparation of well-meant course files endorsed by HoDs, periodic inspections of the course progress of the faculty by the HoD on regular basis and by the Principal on occasions, faculty meetings and academic audits both in-house as well as by the authorities of the institute ensure the achievement of learning outcomes.
- Periodic examinations and evaluation followed by corrective actions and remedial solutions besides addressing feedbacks from all the stakeholders – internal and external further confirms achieving the stated objective.
- HoDs conduct review meetings for monitoring the syllabus coverage and other practical problems in the department.
- Regularly class teachers and course coordinators meetings are conducted to ensure the uniform course delivery, evaluation, and student performance.
- Compliance of course instruction in line with course handouts in terms of teaching, learning and evaluation procedures.
- Feedback from the students before mid-term examinations and End semester examinations ensures effective teaching.
- Counseling the students on their attendance and performance to ensure the achievement of learning outcome.
- Participation of students in various club activities including the social services to drive the motivation for holistic development.
- Attainment of the course outcomes are arrived from the performance of the students in continuous Internal Assessment, and End semester Examinations.
- Rubrics are developed for the project works, seminars, conferences and co-curricular activities.

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

The Institute adopts a system for the collection and analysis of data on student learning out comes and follow-up action.

- Every course instructor submits assessment of course outcome sheet to the programme coordinator and programme assessment committee analyzes the data.
- If the particular learning outcome is not attained in a particular course, concerned faculty is advised to improve the content and the mode of delivery.

- If the achievement in learning outcomes is below the expected attainment, the Programme assessment committee will analyze the reasons for the poor attainment and suggest the remedies including change of syllabus and Course Outcomes (COs).
- Routine students' feedback in the prescribed format, feedbacks received during the meetings of the mentor, faculty feedback about the courses in HoDs / Principal meetings and interactions are the avenues to overcome the barriers of learning.
- Feedback from external members of BoS, external academic auditors, feedback from professional environments is some of the processes effectively employed to overcome the learning barriers.

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

Table 2.6.4: Academic Year: 2015 – 16 / 12 Batch

Branch	Appeared	Passed	Pass%	Distinction	1 st Class	2 nd Class
EEE	59	43	72.88	10	31	02
ME	122	104	85.25	42	58	04
ECE	188	136	72.34	74	60	2
CSE	112	88	78.57	26	57	5
Total	481	371	77.13	152	206	13

Table 2.6.4: Academic Year: 2014 – 15 / 11 Batch

Branch	Appeared	Passed	Pass%	Distinction	1 st Class	2 nd Class
EEE	63	47	74.60	32	14	1
ME	64	57	89.04	34	22	1
ECE	132	118	89.39	58	46	14
CSE	116	96	82.75	43	48	5
IT	53	36	67.92	23	13	0
Total	428	354	82.71	190	143	21

Academic Year: 2013 - 14 / 10 Batch

Branch	Appeared	Passed	Pass%	Distinction	1 st Class	2 nd Class
EEE	68	53	77.94	35	18	0
ME	34	28	82.35	16	12	0
ECE	139	122	87.77	74	42	6
CSE	135	105	77.77	40	59	6
IT	52	39	75	19	20	0
Total	428	347	81.07	184	151	12



Academic Year: 2012 - 13/ 09 Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	64	45	70.31	33	11	1
ME	33	23	69.70	16	7	0
ECE	132	124	93.94	57	46	21
CSE	108	87	80.55	41	43	3
IT	50	37	74	22	15	0
Total	387	316	81.65	169	122	25

Academic Year: 2011 - 12 / 08 Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	73	60	82.19	13	38	9
ME	38	32	84.21	6	20	6
ECE	139	123	88.49	50	62	11
CSE	127	114	89.76	34	60	20
IT	57	49	85.96	13	26	10
BT	23	23	100.00	19	4	0
Total	457	401	87.75	135	210	56

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 PROMOTION OF RESEARCH

3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations, which have been implemented, and their impact.

Yes, the institution has a separate R&D committee chaired by Dean R&D and consists of the Principal, Vice-Principals, Deans, Heads, senior faculty, members from reputed research institutions and industries.

R&D division has structured research committees to monitor and address the issues of research in every department and entire institute. The following two committees are continuously monitoring and assessing the progress and final reports of different projects of the institute

1. **Research Advisory Board (External Research Scientists, Academicians/ Fellows)**
2. **Board of Research Committee (Internal Research Scientists)**

These research committees constitute specifically experts from relevant areas. It provides advisory support in selecting the R&D proposals for implementing R&D activities through analysis of technological trends and identification of thrust areas.

ADVISORY BOARD MEMBERS, RESEARCH & DEVELOPMENT

Name	Designation	Internal/ External	Organization	Official Address With Contact Number
Dr. C. Yuvaraj	Chair Person	Internal	MIT, Madanapalle	P.B.No:14; Madanapalle Institute of Technology and Science (MITS), Angallu (V), Madanapalle – 517325, Chittoor District , A.P, +91-9160020789
Prof. L. Venugopal Reddy	Member	External	APSCHE, Hyderabad	1st Floor, JNTU Masab Tank Campus, Mahaveer Marg, Opp. Mahaveer Hospital Hyderabad – 500 028. +91-9493370052
Prof. R. Ramamurthi	Member	External	S.V. University, Ex-Vice-Chancellor, Tirupati	Former Vice Chancellor, INSA Hony. Scientist, Former General President, Indian Science congress. A-9 Vaikuntaouram, Tirupati-517502, Andhra Pradesh, India. +91-877-2242079; 8008570680; 9500020893; 9849488390
Prof. Ashok Misra	Member	External	IIT, Mumbai, Ex-Director	Chairman- India, Intellectual Ventures India Consulting Pvt.



				Ltd., #701-Raheja Paramount, 138-Residency Road, Bangalore - 560 025 Ph. 080-66485505; Fax: 080-66485500, Mobile: 09972232233 & 69 Adarash Vista, Basavanagar, Bangalore - 560 037; Ph. 01332-272742, 285500 Fax: 01332-273560, 285815
Dr. U. Chandrasekhar	Member	External	DRDO, Bangalore	Additional Director and Sc 'G', Gas Turbine Research Establishment, Ministry of Defense R&D Organization, Bangalore - 560093, INDIA. +91 80 25040737 / +91 9449010234
Dr. S. Thamarai Selvi	Member	External	Anna University, Madras	Professor, Department of Computer Technology, Madras Institute of Technology, Anna University Chennai - 600 044. 09444030027/ 09840950636; 04422232403
Dr. B. Venkata Raman	Member	Internal	MITS, Madanapalle	Dean, R&D, MITS, Madanapalle – 517325. +91-8008570674
Dr. Prabhakar Sathujoda	Member	Internal	MITS, Madanapalle	Dean, Research & Consultancy, MITS, Madanapalle – 517325. +91-9100056880
Dr. A. R. Reddy	Member	Internal	MITS, Madanapalle	Dean, RRC, MITS, Madanapalle – 517325. +91-9052077757
Dr. Ch. Rama Prasada Rao	Member	Internal	MITS, Madanapalle	Dean, IIC, MITS, Madanapalle – 517325, +91-8008570653
Dr. G. Hampamma	Member	Internal	MITS, Madanapalle	Vice Principal, Engineering & Professor, Dept. of English, MITS, Madanapalle – 517325; +91-9052077785
Dr. B. Rama Kumar	Member	Internal	MITS, Madanapalle	Professor & Vice-Principal-Academics, Dept. of EEE, MITS, Madanapalle – 517325. +91-8008570671

BOARD OF RESEARCH COMMITTEE

Name of the faculty/ member	Designation	Official Address With Contact Number
Dr. C. Yuvaraj	Chair Person	P.B.No:14; Madanapalle Institute of Technology and Science (MITS), Angallu (V), Madanapalle – 517325, Chittoor District , A.P, +91-9160020789
Dr. B. Venkata Raman	Coordinator	Dean, R&D, MITS, Madanapalle – 517325. +91-8008570674
Dr. Prabhakar Sathujoda	Member	Dean, Research & Consultancy, MITS, Madanapalle – 517325, Mobile: +91-9100056880
Dr. A. R. Reddy	Member	Dean, RRC, MITS, Madanapalle – 517325, Mobile: +91-9052077757
Dr. Ch. Rama Prasada Rao	Member	Dean, IIC, MITS, Madanapalle – 517325, +91-8008570653
Dr. G. Hampamma	Member	Vice Principal, Engineering & Professor, Dept. of English, MITS, Madanapalle – 517325; +91-9052077785
Dr. M. Thamarai	Member	Professor & Head, Dept. of ECE, MITS, Madanapalle – 517325, Mobile: +91-9160020783
Dr. S. A. K. Jilani	Member	Professor, Dept. of ECE, MITS, Madanapalle – 517325 +91-9440430351
Dr. G. Harinath Gowd	Member	Professor & Controller of Examinations, Dept. of ME, MITS, Madanapalle – 517325 +91-9160020782
Dr. Suryanarayana Raju Pakalapati	Member	Professor & Head, Dept. of ME, MITS, Madanapalle – 517325, Mobile: +91-9160020782
Dr. C. Kamal Basha	Member	Head, Dept. of EEE, MITS, Madanapalle – 517325 +91-9160020781
Dr. M. Chittaranjan	Member	Professor, Dept. of Civil, MITS, Madanapalle – 517325 +91-9100973371
Dr. M. Sreedevi	Member	Assoc. Professor & Head, Dept. of CSE, MITS, Madanapalle – 517325. +91-9160020784
Dr. D. Pradeep Kumar	Member	Professor & Head, Dept. of MBA, MITS, Madanapalle – 517325. +91-9160020787
Dr. Ganala Santoshi	Member	Head, Dept. of MCA, MITS, Madanapalle – 517325 +91-9052077749
Dr. V. Ramachandra Prasad	Member	Professor; Dept. of Maths, Coordinator, TEQIP, MITS, Madanapalle – 517325 +91-9160020785
Dr. Virendra Kumar Verma	Member	Head, Dept. of Physics, MITS, Madanapalle-517325; +91-8008570664
Dr. Sovan Roy	Member	Head, Dept. of Chemistry, MITS, Madanapalle-517325; +91-9160020737
Dr. R. Thulasiram Naidu	Member	Professor & Head, Dept. of Humanities, Assoc. Dean R&D, MITS, Madanapalle, 517325 +91-8008500767



Recommendations of Research Committee:

- Establishment of the Incubation Centre and start-up center
- Providing seed money to faculty members to promote research
- Developing laboratories with ultra-modern equipment with updated software
- Providing financial assistance to the faculty members to publish/present research papers in journals/conferences
- Establishment of Research Centers in all the departments
- Encouraging faculty members to register for Ph.D
- Encouraging faculty members to submit research project proposals to the funding agencies

Impact of Recommendations of the research committee:

- Eleven R&D Projects were completed during the last 4 years and 29 projects funded by UGC, DST, AICTE , TEQIP are in progress.
- In the year 2015-16, DST sanctioned Rs.30,00,000/- under the scheme of FIST to strengthen research facilities in all Science departments.
- 38 faculty members are awarded Ph.D degrees by various reputed universities and institutions during the last four years and 40 faculty members are pursuing their Ph.D.
- All the departments of the institution are recognized by JNTUA, Ananthapuramu as Research centers for admitting full time research scholars for the award of Ph.D in the concerned research area. At present 29 full-time research scholars are doing research in various emerging areas for their Ph.D work.
- 700 research papers are published in national and international index journals and 525 papers are presented in national and international conferences during the last four years.
- New research proposals have been submitted to the funding agencies.
- The Institute publishes MITS International Journal of Business Research (MIJBR, e-ISSN: 2394-4161, p-ISSN: 2349-1701).
- Signed MoUs with R&D Organizations / Industries such as ECIL, NSIC, ULTRA TECH Cements, ANNAPURNA BHASKARI Group of Industries, IBM, Infosys, IUCEE, UNISYS, ISRO, QEEE-IITM for knowledge sharing, practical training and for project works and internship programmes.
- Incubation and start-up centers are established to ignite the tender minds of the young engineers to promote thought provoking process and research thinking.

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

The research policy of the institute states that “striving for the global competency by creating a passionate physical and intellectual environment to inculcate the habit of research and development that contributes towards the transformation of the society”.



- An amount equal to 10% of the total project funding is given as incentive to the team of investigators. This incentive is paid in two parts - 5% at the starting of the project and the other 5% on the completion of the project.
- Provides seed money to faculty members to encourage research
- Autonomy to principal investigator/coordinator for executing projects
- The Institute releases the required funds for the projects as advanced to the Principal investigators for early completion.
- Motivate the students to write review paper, guide the project works and paper presentations at National and International level.
- Sponsors faculty members to participate and present research papers in National and International Conferences by sponsoring the registration fees, TA & DA.
- Encourages the faculty members for publishing the papers in reputed National and International indexed journals
- Motivate the faculty members to visit the R&D Centers, industries, Institutions and consult subject experts to promote the new ideas in research or propose new research projects.
- Overhead charge earned through funded projects is used for development of Infrastructure of the department.

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

The Institute has taken adequate initiatives to develop and promote research culture by identifying more than 15 areas of expertise with in the campus to execute different academic and research oriented sponsored and consultancy projects with the available research teams.

The following are the research groups to promote interdisciplinary research in innovative technologies:

- i. Material science, Nano-Technology and Advanced Manufacturing Group
- ii. Power Systems and Controls group
- iii. Numerical Modeling and Simulation based Engineering and Research
- iv. Embedded systems and Communications
- v. Environment science and engineering
- vi. Renewable energy source and management

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

- **Advancing funds for sanctioned projects:** In case of external funded R&D projects, if the required grant amount is not released by the funding agency, the institute sanctions that amount as advance to purchase equipment/software. Also, the institute



meets the tuition fee of faculty to pursue part-time Ph.Ds and expenditure incurred in preparation of the theses.

- **Providing seed money:** The Institute is very keen in encouraging research on thrust areas/ cutting edge technologies by providing seed money. The research proposals submitted by faculty are thoroughly screened before submitting to the funding agencies.
- **Autonomy to the Principal Investigator/ coordinator for utilizing overhead charges:** The Principal Investigators have autonomy in utilizing their funds including overhead charges as per their requirements and the guidelines of the funding agencies. Board of Research Committee (BRC) monitors the progress of the research projects and sanctions the required amount to purchase various items including equipment/software as per their research proposals.
- **Timely release of grants:** R&D division has a separate bank account and is authorized to release the grants in time to Principal Investigator for smooth execution of the project.
- **Timely auditing submission of utilization certificate to the funding authorities:** The Institute has its own audit section to submit account statements and issue utilization certificates duly certified by an external Chartered Accountant every year for the sanctioned projects.

3.1.5 How is interdisciplinary research promoted?

- **between/among different departments of the College and**

The Institute encourages interdisciplinary research by categorizing all the faculty members into several groups based on their broad spectrum of specialization irrespective of their departments.

- Faculty members of Chemistry, ECE and ME departments are collaboratively working on Nanotechnology and submitting on proposals jointly to different funding agencies.
- Faculty from Electronics and Communication Engineering (ECE) & Computer Science and Engineering (CSE) are jointly working on Cognitive Science for making several expert systems using Artificial intelligence and Neural Networks.
- Students from various departments undertake projects related to Entrepreneurship, Environmental Studies and Public Surveys.
- Environmental Engineering group of Civil Engineering and Green Chemistry group of the Chemistry Department are looking at Environmental issues in the pilgrim town, Tirupati. This group is developing various innovative and sustainable technological solutions to the emerging environmental problems.
- Faculty members of various departments provide inter-disciplinary consultancy works.

The following research groups are collaboratively working to promote interdisciplinary research:

* **Material science, Nano-Technology and Advanced Manufacturing Group:**

Dr. C. Yuvaraj (ME), Dr. G. Harinath (ME), Dr. B. V. Raman (Chemistry), Dr. K. Mohan Kumar (Chemistry), Dr. S. Elamathi (Chemistry), Dr. P.P. George (Chemistry), Dr. Sovan Roy (Chemistry), Dr. Virendra Verma (Physics), Dr. N. Nanda Kumar Reddy (Physics), Dr. B. Jagadeesh Babu (Physics). The major thrust areas are research on Novel Materials, Coatings, Surface Treatment, Semiconductor Devices, Multiferroic and Solar Cells.

* **Power Systems and Controls group:** Dr. B. Ramakumar (EEE), Dr. M. Chandrasekhar (Physics), Dr. Rajendra Prasad Narne (EEE), Dr. C. Kamal Basha (EEE), Dr. A. Anbarasan (EEE), Dr. K. Rajangam (EEE). The major thrust areas are research on Solar PV grid connectivity and Advanced controls

* **Numerical Modeling and Simulation based Engineering and Research:** Dr. V. Ramachandra Prasad (Mathematics), Dr. P. Suryanarayana Raju (ME), Dr. S. Gouse Mohiddin (Mathematics), Dr. Sumit Kumar (Physics), Dr. K. Sreedevi (CSE), Dr. R. Rajkamal (EEE) & Dr. B. Venkata Raman (Chemistry). The major thrust areas are research on Structural and Dynamic Strength of components, Multi-phase flows, Combustion, Cheminformatics & Bioinformatics.

* **Embedded system & Communations:** Dr. S. A. K. Jilani (ECE), Dr. Gautam Naryan (ECE), Dr. Thamarai (ECE). The major thrust areas are research on EMR, Signal & Image processing.

* **Environmental Science and engineering:** Dr. B. Venkata Raman (Chemistry), Dr. Dr. M. Chittaranjan (Civil Engineering), Dr. K. Chandra Mohan (Chemistry), G. Guru Mahesh (Mechanical Engineering). The major thrust areas are research on impact of different pollutants on ecosystems imbalances.

* **Renewable energy source and management:** Dr. Suryanarayana Raju Pakalapati (ME), Dr. S. Elamathi (Chemistry), Dr. Virendra Kumar Verma (Physics), Dr. B. Rama Kumar (EEE), Dr. C. Kamal Basha (EEE), Dr. R. Rajkamal (EEE), Mr. K. Chandra Sekhar (EEE), Dr. S. Solai Manohar (ECE). The major thrust areas are research on alternative energy sources, power distribution and Micro Grids development & managements system using nanotechnology.

* Besides to the above , intra and inter departmental activities are encouraged by constituting Thirty five (35) different Research Groups across the institute keeping at least 2 to 3 research groups in the department and one of the senior most in the group as Group Head for improving the interdisciplinary research at Undergraduate, Post Graduate and Research Scholars (Ph.D) level.

* **Collaboration with national/ international institutes/ industries.**

All the departments of MITS collaborate with research institutes and industries for the purpose of training and research.

**Table No: 3.1.5: List of Collaborative Research Agencies**

S.No.	Name of the Agency	Department
1.	IBM	Computer Science & Engineering
2.	Unisys Innovation Labs (UIL)	Computer Science and Engineering
3.	FELIP	All departments for R&D development
4.	NAFEMS	All departments
5.	BITS, Hyderabad	All Core Engineering & Basic Science departments

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

- * Experts from reputed organizations and institutions like ISRO, DRDO, NRSE, IITs, NITs, NEERI and reputed Universities are invited to deliver guest lectures on emerging research areas.
- * National and international seminars, workshops and training programs are held on advanced technologies and current research areas.
- * Interactive sessions with eminent scientists and researchers are arranged in all departments to ignite the minds of young faculty members to carry out research.

Eminent Professors and Researchers who visited our institute are given in table 3.1.6

Table No: 3.1.6: List of the eminent professors/researchers visited the institute

Department	Name of Eminent Professors / Researcher visited	Name of the Organization
EEE	Dr. Sandeep R.Koppikar	Senior Manager, Systems R&D Sun Edison Energy India Pvt. Ltd.
	Prof. P.S. Nagendra Rao	Professor, Dept. of Electrical Engineering, IISC, Bangalore.
	Mr. A Rajkumar	Sr. Engineer, M/s. L&T Construction, Chennai
	Dr. Kaushik J. Vaidya	Engineering Director, M/s. Applied Materials India Pvt. Ltd. Bangalore
ECE	Prof M.B.Srinivas, Dean,	BITS-Pilani, Hyd.
	Dr.V.Srihari	BITS-Pilani, Hyd.
	Mr.Phaneendra	BITS-Pilani, Hyd.
	Dr, Cyril Prasanna Raj	Director SANARIS Technologies, Bengaluru.
	Mr.Ravi Kumar	SANARIS Technologies, Bengaluru.
	Rajesh Manikantan	Head corporate relations, SEMICHIP Solutions, Hyderabad.
	Venkat Narayan	Technical lead, Aricent technologies.
	Sri Parimal Kumar	IRS project director, ISRO, Bangalore.



	Dr. Gaurav Sharma	Professor, ECE department, University of Rochester, USA
	Dr. S.Vardarajan	Professor, SV University, Tirupati
	Prof. Pallapa Venkataram	Chairman of Center for Continuing Education, IISC Bangalore.
	Dr.P.Abdul khayum,	ECE Dept. Pulla Reddy Engg. College.
	Dr.P.Sudhakar Reddy	ECE Dept, SKIT, Srikalahasthi.
	Dr. M. Chandrasheker	Sr. Manager, Electronics, D&E, BDL, Hyderabad, 500058
	Dr. T.Ramashri	Professor, ECE Department, College of Engineering, S V University, Tirupati
	Prof. P. Satyanarayana,	Chairman of BOS, SVU, Tirupathi
	Ramakrishna Rao	Senior Engineering Manager, GE Healthcare, Bangalore
	Prof. B.Abdul R aheem	HOD ECE, AITS, Rajampeta
	Smt. A.Satyavathi	Asst.Prof, CBIT, Hyderabad,
	Dr.S.Chetan Kumar	Senior Manager, Cisco Systems, Bangalore.
	Mr.Kirti Keshav	Manager, CISCO Systems Bangalore
	Mr.Bhawani Shanker Bhati,	Research Scholar, IISC Bangalore.
	Mr.M.Sreenivasan	Scientist 'D', SAMEER.
	Mr. Durgesh Katre	Application Engineer NI logic Pvt. Ltd, Pune.
	Mr. J.Ravi Kumar	Senior Engineer, Technilab Instrument, Bangalore
	Mr.A.Manimaran	Senior Application Engineer, VI Solutions, Bangalore.
	Mr. T.R Gunanad	Senior Engineer, Techilab Instrument Bangalore
	Dr. Dinesh K Avnekar	Former Senior Engineer, Honeywell Technologies Ltd, Bangalore.
	Mr. Chetan	R P, Director, ERT Tech. Services, Bangalore
	Mr Bala Krishna Singam,	Assistant Vice President, Essential Energy, Bangalore
	Dr. Cyril Prasanna Raj	Dean (R&D) and Professor, M.S. Engineering College, Bangalore.
	Dr.T. Srinivas	Associate Professor, IISc, Banglore
	Dr RS Raju	Chief Scientist, CSIR-CEERI Pilani
	Dr K.Subbarangaiah	Veda IIT, Hyderabad
	VENKATESWARA RAO SUNKARA	Founder & CEO, Chip Edge Technologies Pvt .Ltd. Bangalore.
	Dr. Das Dr Sajal K Das	University of Texas at Arligton, USA
	Dr. Malliga,	Senior, system Analyst, NITTTR Chennai
	Mr.T.K.Venkatraghavan, CEO	Nischintha Technologies, Bangalore
	Mr. Tushar, software development engineer	Microsoft
	Mr. M. Karthik, software engineer	ICTACT, Tamilnadu
	Dr.P. Chenna Reddy, Professor, Department of CSE	JNTUACE, Pulivendula
	Prof Jayanth Kirtane, Professor of Computer	Keshav Memorial Institute of Technology, Hyderabad



CSE	Science and Engineering	
	Prof. S. Viswanadha Raju, Professor in CSE Department	JNTUH, Hyderabad
	Prof. P. Venkata Krishna, Professor in CSE Department	VIT, Veluru, Tamilnadu
	Dr.Subbarao Ghanta, President	Open KITE, DhyanaHita Campus, Shabad, Telangana.
	Mr. NBN Ramesh, Chief Technology Officer	Chief Technology Officer, OpenKITE, DhyanaHita Campus, Shabad, Telangana.
	Dr. Sreenivasulu Reddy, associate professor at School of IT	JNTU, Hyderabad
	Prof.V. S.S Kumar, principal of University college of Engineering & Professor & Head of Civil Engineering	Osmania University, Hyderabad
	Dr Sailaja, Assistant Commissioner	Prohibition and Excise (Distilleries) Hyderabad
	Dr. Sithu D. Sudarshan, group manager of Industrial software systems	ABB corporate research
	Mr Shamshad Ansari, CEO &President	Accure Pvt Ltd , Bangalore
	Prof Ambuja Salgaonker, Professor & Chairperson, Board of Studies, Department of Computer Science	University of Mumbai
	Mr.A.Mahesh Babu, Corporate trainer	Satya Technolgies, Hyderabad.
	Dr.T.Bheemarjuna Reddy, department of CSE	IIT Hyderabad
	Dr.Sumeet Dua professor of director of Computer Science Engineering	Louisiana Tech University, Ruston, LA, USA
	Dr.S.Thamarai Selvi, Professor & Dean of IT Department	MIT, Chennai.
	Prof. Eswara reddy, Professor, CSE Department	JNTUA, Ananthapuramu
	Dr. C.Shobha Bindu, Professor, CSE Department	JNTUA, Ananthapuramu
	Dr.R.Rajeswara Rao, Associate Professor, CSE Department	JNTUK, Vijayanagaram
	Dr.A.Jagan, Professor & Head, CSE Department	BVRIT, Narsapur
	Mr. Kareemulla Nasyam, Global lead for Central Technology Operations.	YAHOO,U.S.A.
Dr.U.S.N.Raju, Assistant	NIT, Warangal	



	Professor, CSE Department	
	Vinoth G , Lead - Campus Relations	Classle Knowledge Pvt. Ltd, Chennai
	Dr S Varadarajan, Professor, ECE Department	S V University, Tirupathi.
	Prof. C. Nataraj, Professor	University of Villanova, U.S.A.
	Dr. Prasanth Mahopatra , Professor	University of California, U.S.A.
	Dr. P. Thaddeus, Professor	University of New Hampshire, UNH
	Dr. Andrzej Rucinski, Professor	University of New Hampshire, UNH
	Mr.A.S.Ramkumar Reddy, Software Engineer	Phoenix Technologies & Services Ltd, Chennai.
	D. Prabhakar Naidu, Software Engineer	CTS, Bangalore
ME	Dr. Benu Madhab	Setco Automotives, Vadodara, Gujarat
	Prof. D. Durga Prasad	Head, ME Department, JNTUA Anantapur
	Mr. B.J. Arjun	Territory Manager, Balani Infotech, Bangalore
	Dr. Claire Komives,	San Jose state University, USA
	Dr. M. Nageswara Rao,	Senior Professor, Emeritus, SMBS, VIT, Vellore
	Dr. AVVSKS .Gupta	JNTU, Hyderabad
	Dr. Ajith Prabhu	Director, Kriatec solutions
	Dr. S.V.Prabhu	Professor, ME Dept. IIT Mumbai
	Dr. B. Umamaheswar Gowd	JNTU Anantapur
	Dr. Vinay Dayal	IOWA State university, USA
	Dr. N. Kulasekharan,	GE India, Bangalore
	Dr. V. Pandu Rangadu	JNTU Anantapur
	Mr. M. Jayakumar	Robert Bosh, Coimbatore
	Dr. R. Thundil Karuppa Raj	VIT Vellore
	P. Janakiramulu,	Design Chief, Infotech Hyderabad
Dr. K. Hemachandra Reddy,	Registrar, JNTU Anantapur	
Dr. U. Chandra sekhar,	Director, ESCI, Hyderabad	
MBA	Dr. K. Ramanarasimha,	Professor, Jain University, Bangalore
	Dr. G. Prasanthi,	JNTU Anantapur
	Dr. K. Gopala Krishna	Jain University, Bangalore
	Dr. C. Nataraj,	Professor, Dept. of ME Villanova University, Villanova, PA
	Dr. S.S.S. Jaya Raju,	II Additional District Judge of Madanapalle
	Mr. Uday	AO,Agsar Paints, Bangalore
	Mr. Nikhil Shinde	Manager, NISM, Mumbai
	Mr. Mahesh	Financial Analyst, Infosys, B'lore
	Dr.Dayanand Arora	Professor of International Business, University of Berlin
	Mr. K. Nagaraja	Senior HR Executive Unisys Global Services India Pvt Ltd. Bangalore
	Mr. Mushkin Vally	Area Manager with Coromandel International Ltd, Chennai
Dr. Jayanth Kirtane, MSEE (CS), Ph.D (CS)	Pennsylvania State University.	
MCA	Prof. Ambuja Salgaonker, Professor & Chairperson	Department of Computer Science, University of Mumbai.

	Board of Studies.	
	Sri A.Mahesh Babu,	Satya Technologies, Hyderabad.
	Ramancharla Pradeep Kumar, Professor & Head	Earthquake Engineering Research Centre, IIT, Hyderabad
	Mr.Suresh G Pillai	BFSI- Technology Service Group at HCL
	Mr. Surendra Mohan	HCL , Bangalore
	Mr. Venugopal Choudary, Manager in Testing ,	IBM ,Bangalore
Physics	Dr. Sharan Asundi	Associate Professor of Tuskegee University of USA
	Dr. Amareshwar Khened	Director, Small Satellite Division, ISAC, ISRO, Bangalore
	Mr. Sanjay Nekkanti,	Co- founder & Director of Dhruva Space, Bangalore
	Dr. P. S. Anil Kumar	Associate Professor, IISC, Bangalore
Instrumentation	Prof. K.Nagabhushan Raju	Principal, college of engineering and technology SKU, Ananthapur

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

- The facility of availing the sabbatical leave is offering in the form of long leave in this institution for the faculty those who are going for postdoctoral fellowship/ work to different foreign/ Indian universities with high repute. However, the faculty who are going for completion of Ph.D/ other academic related works concerned to the improvement of research career of the faculty are also permitting with reduced workload and sanction of academic leave. In addition, sanction of academic leave with TA and DA is provided for attending seminars/conferences/workshops/ FDP/ Training programs relevant to their research works.

Currently 1.93% (~2.0%) of faculty members were used this provision to contribute the research quality and culture of the College. The following faculty were availed this leave facility so far:

S.No.	Name of the faculty & Dept.	Place of work	Purpose	Period
1.	Dr. S. Prabhakara, Professor, Dept. of ME	AAF Power & Industrial Ltd. UK	Post Doctoral & Consultancy work	14 th October 2016 to 17 th December 2016 (9 Weeks)
2.	Dr. K. Mohan Kumar, Asst. Professor, Dept. of Chemistry	Instituto De Ciencias Fisicas (ICF), UNAM, Cuernavaca, Mexico	Postdoctoral Work	1 st December 2015 to 1 st December 2017 (2 Years)

3.	Dr. M. Chandra Sekhar, Asst. Professor, Dept. Of Physics	Dept. of Electronics and Communication Engineering, Yeungnam University, 280 Daehak-ro Gyeongsan-si Gyeongsangbuk-do 712-749, Republic of Korea.	Postdoctoral Work	29 th February 2016 to 28 th February 2017 (1 Year)
4.	Dr. G. Gopi Kirshna, Asst. Professor, Dept. Of Physics	Tata Institute of Fundamental Research (TIFR), Hyderabad	Postdoctoral work	1 st July 2015 to 30 th June 2017 (2 Years)
5.	Dr. M. Sreedevi, Assoc. Professor, Dept. of Information Technology	S. V. University, Tirupati	For completion of final dissertation/ Ph.D thesis work	23 rd August 2012 to 29 th September 2012 (6 Weeks)
6.	Dr. K. Venata Subbaiah, Asst. Professor, Dept. of Information Technology	S. V. University, Tirupati	For completion of final dissertation/ Ph.D thesis work	1 st January 2014 to 31 st December 2015

College has the provision contributed to the research quality and culture of the college by providing the following:

1. Faculty are encouraged to undertake funded projects and consultancy works from different **Government** and **Public** sectors. Those faculty who got the funded project providing 10% of the total grant as **incentive** and faculties with consultancy projects are providing 70% share under 70:30 Mode.
2. Arranging meetings with faculty and external subject (R&D works) experts on every thematic areas on core Engineering as well as basic sciences departments.



3. Providing space and infrastructure for organizing Programme Advisory Committee meetings (R&D Projects Scheme meetings) of Govt. of India for selection and review of ongoing projects sanctioned by them.
 - (a) Dept. of Science and Technology (DST), New Delhi has organized a SEC (Subject Expert Committee) meeting in MITS during 25th – 26th August 2014 on Physical & Mathematics Sciences (SEC-PMS). R&D Projects Scheme meetings for selection of new schemes and review of ongoing & completed projects of Women Scientists in Mathematics and Physical Sciences under Disha Programme for Women in Science.



- (b) MITS also provided space and infrastructure, as a part of encouraging Research culture in the campus, for organizing a three days National consultation on Science and Technology for Human Development “Trees and Water for Human Welfare” during February 27th, 28th & March 1st 2015 organized by Indian Science Congress Association, Tirupati Chapter, Andhra Pradesh.



4. Twenty two projects were selected by screening committee out of thirty submitted for awarding the **SEED** money grant through TEQIP is also a feather to add the encouragement of R&D in the institute.



S. No.	Name of the Investigator	Title of the project	Amount Sanctioned (Rs.)
1.	Dr Prabhakar Sathujoda, Professor Dept. of ME & Dean, R&C,	Development of natural fiber reinforced composites – An initiation of research activity at MITS	50,000.00
2.	Dr. C. Yuvaraj, Principal and Professor, Dept. of ME	Design and Development of mixing equipment for producing SS 316L – CNT composites by Metal injection molding process	50,000.00
3.	Dr John Baruch. L, Professor, Dept. of ME	Studies on Wear Behavior of H2O Steel parts produced by Additive Manufacturing	60,000.00
4.	Dr. K. V. P. Chakradhar, Assoc. Professor, Dept. of ME	Studies on the properties of novel hybrid green composites for industrial and consumer applications	50,000.00
5.	Dr. A. Bala Raju, Assoc. Professor, Dept. of ME	E-stores for smart cities(ATR)	50,000.00
6.	Dr.T.Vishnu Vardhan, Assoc. Professor, Dept. of ME	Experimental investigations & Optimization of process parameters on various drilling techniques to reduce the delamination of GFRP composites	55,000.00
7.	Mr. Vamsi Krishna Mamidi, Asst. Professor, Dept. of ME	Enhancement of Tar Cracking Efficiency using Nano Catalyst for Biomass Gasification	50,000.00
8.	Dr. S. Bhaskaran, Assoc. Professor, Dept. of ME	Investigation on Wear resistance of high strength aluminum alloy under cryogenic treatment	50,000.00
9.	Dr. G. Sayiram, Sr. Asst. Professor, Dept. of ME	Development of Laser Peening of Gas Tungsten Arc Welding for Incoloy 800H and Stainless steel AISI 321 Dissimilar Metals	50,000.00
10.	Dr. M. Thamarai, Professor, Dept. of ECE	Smart Tube light system	50,000.00
11.	Dr. N. Sathees Kumar, Sr. Assistant Professor, Dept. of ECE	Fundamental Analysis on ECU Signals for the Development of Fault Diagnosis System Using Artificial Neural Networks	55,000.00
12.	Mrs. S. Usha Rani Asst. Professor, Dept. of ECE	Object Tracking using Particle Filter	47,500.00
13.	Mr. R. Ravindraiah, Asst. Professor, Dept. of ECE	Lesion detection in diabetic Retinagraphy images using Kernall induced spatial Fuzzy clustering approach	50,000.00
14.	Dr. R. Kalpana, Assoc. Professor, Dept. of CSE	Developmental Studies of Simultaneous Localization and Mapping Algorithms through mobile ground platforms	50,000.00
15.	Dr. S. Babu, Assoc. Professor, Dept. of CSE	Developing a System for Monitoring Highway Using Big Data	60,000.00
16.	Dr. V. Hanuman Kumar, Assoc. Professor, Dept. of CSE	Image Data Encoding for Retinal Prosthesis System	60,000.00
17.	Dr. K. Veningston, Assoc. Professor, Dept. of CSE	Intelligent Transport System for Healthcare	50,000.00
18.	Dr. K. Rajangam, Assoc. Professor Dept. of EEE	Development of a High Power density inverter	50,000.00
19.	Mr. D. Chinna Kullay Reddy, Asst. Professor, Dept. of EEE	Integration of Renewable Energy	55,000.00
20.	Dr. Virendra Kumar Verma, Asst. Professor, Dept. of Physics	Study of annealing effect on poly(3-hexylthiophene)-cadmium selenide/ sulphide hybrid solar cells	55,000.00
21.	Dr. N. Nanda Kumar Reddy, Asst. Professor, Dept. of Physics	Influence of substrate bias voltage on electrical, structural and optical properties of DC reactive magnetron sputtered (Ta ₂ O ₅) _{1-x} (TiO ₂) _x thin films	50,000.00
22.	Dr. A. Harish Sharma, Asst. Professor, Dept. of Physics	Fabrication and development of transparent metal oxide thin films for barrier layers in solar cells	50,000.00



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

Table No: 3.1.8: Details of the National/International Conferences organized

S. No	Department	Title of the Conference (National & International)	Name of the eminent scientist/scholar/industrial expert	Date
1	CSE	NCAT -2K13	<u>Guest of honours</u> 1. Prof. Eswarareddy, BOS Chairman, JNTU Anantapur 2. Dr. C.Shobha Bindu, Head of the Department, Department of Computer Science and Engineering, JNTU Anantapur 3. Dr. R.Rajeswara Rao, Department of Computer Science and Engineering, JNTU, Vijayanagaram. 4. Dr. A.Jagan, Professor and Head of the Department, Department of Computer Science and Engineering, BVRIT, Narsapur 5. Dr. S.Thamarai Selvi, Professor and Dean, Department of Computer Science and Technology, Madras Institute of Technology, Chennai	30 th May 2014
2.	ECE	Two Day National Conference on “Wireless communication Systems (NCWCS’16)”	Dr. K.R. Venugopal Special Officer, Government of Karnataka and also Principal, University Visvesvaraya College of Engineering, Bengaluru.	27 th and 28 th January, 2016
		National Level Technical Symposium on Eclectica 2015, and Project Expo	Dr. T.Ramashri, Professor, ECE Department, Institute of Engineering, S V University, Tirupati	31th March 2015
		2 nd National Conference on Recent Trends in Signal Processing	Dr. S.Vardarajan, Professor, SV University, Tirupati	18 th to 19 th Feb 2015
		One Day National Level Technical Symposium on VLSI, Embedded Systems & Signal Processing Applications	Prof. P. Satyanarayana, Chairman of BOS, SVU, Tirupathi & Ramakrishna Rao, Senior Engineering Manager, GE Healthcare, Bamgalore	28 th March 2014
		Two day National Conference on Advanced Communication systems	.Prof. PallapaVenkataram Chairman of Center for Continuing Education, IISc Bangalore.	25 th to 26 th June 2013



		& Applications	Dr.P.Abdul khayum, ECE Dept. Pulla Reddy Engg. College.	
			Dr.P.Sudhakar Reddy, ECE Dept, SKIT, Srikalahasthi.	
		One day National Level Technical Symposium on “Signal & Image Processing Applications”	Prof. K.NagabhushanRaju, principal, SKU institute of engineering and technology, Ananthapur	
		One day National Conference on Embedded Systems and Applications	1. Dr. Usha Eswaran Principal, SIST, Puttur 2.Prof A.Sivasankar HOD, ECE, GKCE, Sullurpet	20 th March 2012
3.	EEE	Advanced Research Methodologies in electrical Engineering (ARMEE)	Dr. Sandeep R. Koppikar Senior Manager, Systems R&D Sun Edison Energy India Pvt Ltd. (A division of SunEdison Inc, USA)	27 th to 28 th June 2013
			Dr.G.Srinivasan, Professor, Dept Of EEE, Intell Engineering College, Anantapur	
			Dr.J.Praveen, Professor Dept Of EEE, Gokaraju Rangaraju Institute of Engineering & Technology	
			Dr.V.Ganesh, Assoc. Professor, Dept Of EEE, JNTUA College of Engineering, Pulivendula of JNTUA	
		Challenges, Approaches and Practical Implementation of Micro Grids	Prof. P.S. NagendraRao, Professor, Dept. of EEE, IISC, Bangalore.	28 th to 30 th March 2015
			Dr. S. Uma Shankar Associate Professor School of Electrical Engineering VIT University Vellore.	
			Mr. D. Nitesh Kumar Engineer, R& D team, M/s. PRDC Pvt. Ltd., Bangalore	
			Mr. A. Kamal Assistant Manager, M/s BGR Energy Systems Ltd., Chennai	
		Dr. K. UmaRao Department of EEE, RV College of Engineering,		



			Bangalore	
4	ME	Innovations in Mechanical Engineering (NCIME' 15)	Prof. Mohan Jagadeesh Kumar M, Thermal & Automotive Division, School of Mechanical and Building Sciences (SMBS), VIT Vellore,	23 rd to 24 th Dec'15
		A National Level Students Technical Symposium in Mechanical Engineering MECHONANCE' 15	Prof. D. Durga Prasad Head, ME Department, JNTUA Anantapur	27 th March 2015
		National Conference Innovations in Mechanical Engineering, NCIME 14	Dr. M. Nageswara Rao, Senior Professor, Emeritus, SMBS, VIT, Vellore	18 th to 19 th December 2014
		National Level Student's Technical Symposium, MECHONANCE' 14	Dr. Lal Kishore Vice Chancellor JNTU Anantapur	29 th March 2014
		National Conference on Innovations in Mechanical Engineering NCIME'13	Dr. U. Chandrasekhar, DRDO, Bangalore Dr. K. Prahlada Rao, JNTU Anantapur\	21 st to 22 nd June 2013
		National Level Student's Technical Symposium, MECHONANCE' 13.	Dr. OVK Chetty, Professor Emeritis, IIT Chennai	16 th Feb 2013
		National Level Student Technical Symposium, Mechonance'12.	Dr. V. Pandu Rangadu JNTU Anantpaur	15 th March 2012
		National Level Student's Technical Symposium Mechonance'11	Dr. K. Govinda Rajulu Director of Foreign Affairs, JNTU Anantapur	18 th March 2011
5	MBA	International Conference on Innovative Management Strategies	Prof. Edwin Zappe Apirit Sense, Austria	6 th to 7 th March 2015
			Prof. Claire Komives San Jose State University, USA	
			Lusia Ndahafa Spirit Sense, Austria	
			San Jose State University, USA Lords Villejss, Karasburg, Namimbia	
		International Conference on Innovative Management Strategies	Dr. UdoBrandle American University, USA Dr. Sam Choon Yin	7 th to 8 th March 2014



			PSB Academy, Singapore	
			Dr. Nthimong Chou Brussel School of Management, Belgium	
		National Conference on Innovative Management Strategies	1. Mr. ML Deva Kumar JNTUA, Anantapur	11 th to 12 th May 2012
			M. Naveen Kumar IAS, Karnataka Power Corporation Ltd. Bangalore	

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

Table No: 3.1.9

Institute research findings in transferring the research finding from lab to land

Year wise	Name of the Faculty Member	Name of the Project	Utility
2010 onwards	Dr. S. A. K. Jilani	LED Display System with GSM based automatic web-updates	Able to interface the Java programme to web pages. It offers the display notice board for students and also provides the results at the time of government election.
2011	Mr. V.Sai Kumar	GigaFlop ALU	Development of an ALU to perform Giga Floating Point operations.
2012	Dr. A.R. Reddy	Encryption Algorithms for embedded systems	Able to use the security systems.
2012	Dr. J. L. Mazher Iqbal	Development of high strength materials for micro air vehicle structures	It offers the object tracking systems.

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

Department of Mechanical & Engineering

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects



2014-15		Empirical modeling, analysis and optimization of laser micro-machining process using ANN and GA	01 (V. Chengal Reddy)	01
2015-16	Dr. G. Harinath Gowd	Parametric optimization and experimental investigations on the friction stir welding process to improve microstructures of aluminium alloys	01 (S.K.Bazani)	-
2015-16	Dr. P. Suryanarayana Raju	Design, fabrication & dynamic analysis of striling engines for applications in distributed power generations	01 (H. Raghavendra)	
205-16		Simulation and analysis of fire accidents in passenger train cars	-	01 (Narayan S. Pandit)
2015-16	Dr. C. Yuvaraj	Development of steel SS316L-CNT metal matrix composites by metal injection molding technique	01 (Thota Siva Prasad)	-
	Dr. I .Arun(PI) & Dr. C. Yuvaraj (Co PI)	Investigation and characterization of Electrical Discharge coated alloys for mitigation of biological fouling on maritime structures	-	01
	Mr. M.Gunasekhar Reddy	Design & Development of Hybrid vehicle for physically challenged persons	Pursuing Ph.D	-
	Mr. Bathina Sreenivasulu	Analysis and optimization of tube hydro forming process for corrosive resistance materials.	Pursuing Ph.D	-

Department of Electronics & Communication Engineering

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2012-13	Dr. A.R.Reddy	Wireless communication VLSI and Embedded systems	2	-
2013-14	Dr. S.A.K.Jilani	Digital Image Processing	1	-
	Dr. A.R.Reddy	VLSI Design	1	-
	Dr. S.A.K.Jilani	Digital Image Processing	1	01



2014-15	Dr. A.R.Reddy	Embedded Systems Wireless communication system	3	-
	Dr. J.L.M. Iqbal	3-D Intelligent information system for identifying suspicious activity	-	01
2015-16	Dr. S.A.K.Jilani	Brain test adequacy systems for young India	-	1
	Dr. J.L.M. Iqbal	Design of reversible computing for systems for low power applications	01	-

Department of Civil Engineering

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2013-14	Dr. N. Kumaraswamy	Accidental analysis in National Highway	01	-
2014-15		Environmental impact of solid waste disposal	01	-

Department of Computer Science & Engineering

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2012-13	Dr. E. Madhusudhana Reddy	Big Data Processing	01	-
2013-14	Dr. E. Madhusudhana Reddy	Cloud Computing	01	-
2014-15	Dr. E. Madhusudhana Reddy	Wireless sensor networks	01	-

Department of Electrical and Electronics Engineering

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2015-16	Dr. K. V. R. B. Prasad	Modeling and Analysis of Z source inverter for enhancing power quality in PV array	1	-



Department of Mathematics

Year	Name of the Faculty	Title of the Research	No. of Ph.D. students guiding	Research projects
2013-14	Dr. V. Ramachandra Prasad	Non Similar Double Diffusive boundary layer Flow of Viscoelastic Fluid	01	01
	Dr. S. Gouse Mohiddin	Mathematical Modeling of Some Fluid Flows Past Isothermal and Non-Isothermal Surfaces	01	-
	Dr. N. Nagendra	Computational Analysis of Non-Newtonian Boundary Layer Flow of Eyring – Powell Fluid	01	-
	Dr. S. Jeelani Begum	A study on some domination parameters of quadratic residue Cayley graphs (UGC-SERO)	-	01
2014-15	Dr. N. Nagendra	Some Studies on non-Newtonian fluid flows through Porous Medium	01	-
	Dr. S. Gouse Mohiddin	Double-Diffusive Boundary Layer Flow of Non-Newtonian Flow In Porous Media	01	-
	Dr. V. Ramachandra Prasad	Computational Analysis of Non-Newtonian Boundary Layer Flow of Eyring – Powell Fluid	01	-
	Dr. S. Jeelani Begum	Graph Theory and General Mathematics	01	01
	Dr. M. Sudhakar Reddy	Effect of Magnetic field on some non Newtonian Fluid Flows	01	-
	Dr. A. Subba Rao	Thermal Radiation Effects on a non-Newtonian Oldroyd-B Nano Fluid from a Stretching Sheet in a Non-Darcy Porous Media	-	01
	Dr. S. Jeelani Begum	Some Studies on Domination Parameters of Cayley Graphs (DST-WOSA)	Nil	01



Dept of Physics

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2014-15	Dr. S. Victor Vedanayakam	1. Design and development of organic Photovoltaic Solar Cells	01	-
		2. I/f noise studies on this films of ITO/ZnO and ITO/TiO ₂ for Optoelectronic Device	01	-

Dept. of Chemistry

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2009-10	Dr. B. Venkata Raman	Molecular characterization of plant de-glycosylation enzyme by Mrs. C S. Felice	01	-
2010-11	Dr. B. Venkata Raman	Screening and tissue cultural development of rare and endangered medicinal plants by	01	-
2015-16	Dr. B. Venkata Raman	Quantitative Expression studies on Biofilm inducing genes in Dental plaques under the treatment of Neem (<i>Azadirachta indica</i>) by M. Sudhakar	01	-
2013-14	Dr. P. P. George	Synthesis of Nanoparticles and study their characteristics	01	-
2014-15	Dr. P. P. George	Emerging as Nano factories towards facile route in synthesis of nanoparticles	01	01



Department of Management Studies

Year	Name of the Faculty	Title of the Research	No of Ph.D guiding	No of projects
2014-15	Dr. D. Pradeep Kumar	1.“Change Management Practices in IT Industry”	01	-
		2.“Efficiency of Banks in Changing Economic Scenario”	01	-
		3.“Customer Loyalty Programmes in Indian Telecom Sector”	01	-
		4.“Employee Engagement in Indian IT Industry”	01	-
		5.“Work life Balance in IT Industry”	01	-
		6.“Impact of Compensation Management and Employee Involvement on Employee Performance in Cement Companies” - with Special Reference to Rayalaseema Region	01	-
		7.“Impact of Capital Inflows, Economic Growth on Indian Manufacturing Sector” With reference to Automobile Industry	01	-
2014-15	Dr. N. Gangisetty	“A Study on Marketing Problems and Prospectus of Agricultural Products”- With reference to Kurnool District in Andhra Pradesh	01	-
		“Shopping Experience and Mall Patronage in South India”	01	-

Department of English

Year	Name of the Faculty	Title of the Research	No of Ph.D students guiding	Research projects
2013-14	Dr. G. Hampamma	Indian Writing in English	1	-
2014-15	Dr. G. Hampamma	Indian Writing in English	2	-
2015-16	Dr. B. Rasheeda Begum	Indian Writing in English	1	-

3.2 RESOURCE MOBILIZATION FOR RESEARCH

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

Summary of current financial year's budget and the actual expenditure incurred (exclusively for the institution) for three previous financial years

Table No: 3.2.1: Budget Allocated for various items in last four years

Item	2015-16		2014-15	2013-14
	Budget allocation (Rs. In lakhs)	Expenditure 31.01.2016 (Rs. In lakhs)	Expenses in 2014-2015 (Rs. In lakhs)	Expenses in 2013-2014 (Rs. In lakhs)
Infrastructure Built-up	100.00	109.90	142.20	145.20
Library	20.00	18.11	12.15	2.78
Laboratory Equipment	200.00	112.38	174.68	101.00
Laboratory Consumables	25.00	4.95	15.03	14.81
Teaching and Non-teaching Staff Salary	1800.00	1297.80	1545.14	1268.53
R&D	10.00	5.41	3.91	1.16
Training and Placement	100.00	1.66	5.88	1.18
Academic activity, vehicles and miscellaneous etc.	700.00	630.20	901.86	435.40
Total (in lakhs of rupees)	2955.00	2180.41	2800.85	1970.06

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

About 0.1% of the total budget is earmarked for the students' development fund. The required funds for the students' projects are met from this fund.

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

Yes, this Institution provides seed money to faculty members who have zeal in research work to initiate their research as pilot study, publish research papers, and obtain patents etc. This experience is being motivated to submit research project proposals to different funding agencies.

R&D division invites research proposals from faculty members of all departments on thrust areas of research in corresponding subjects every year, for which seed money is being provided. A screening committee identifies and selects the good number of proposals and forward to external funding agencies as well as some projects to R&D division for financial

support. Moreover, several young and enthusiastic faculty members are encouraged & allowed to pursue their research by providing necessary required facilities that lead to the award of Ph.D degree. The Institution organizes Faculty Development Programs, workshops, training programs, conferences and seminars for further development of faculty and enriches their research quests.

The seed money provided to the faculty during the last six years is given in the table 3.2.3

Table No: 3.2.3: Seed money allocated for Research

S.No	Academic year	Seed money (Rs. Ps)	Seed money grant from TEQIP
1.	2011-12	1,00,000.00	-
2.	2012-13	2,00,000.00	-
3.	2013-14	2,50,000.00	-
4.	2014-15	4,99,105.00	-
5.	2015-16	5,41,160.00	11,96,000.00
6.	2016-17	4,91,160.00	-
7.	2017-18	1,96,293.00	-
	Total	22,77,718.00	11,96,000.00

Moreover, Institute also submitted a proposal for approval from NPIU (National Project Implementation Unit of TEQIP-II) for allotting of seed money to students (20 members per year) as well as faculty (8 members per year) from TEQIP-II funded project from the academic year 2015-16. The Government of India and World Bank under the scheme of Technical Education Quality Improvement Program Phase-II has sanctioned Rs. 4. 00 Crores under subcomponent 1.2. Recently the same is also extended the project up to 31-03-2017 by sanctioning additional grant of Rs. 2.0 crores with a special provision permitting to sanction seed money grants to both students and staff. Accordingly, Twenty three (23) faculty projects were selected for providing seed money grant for the academic year 2015-16. Therefore, it adds laurels to R&D cell of this institute for further improvement.

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

Yes, the institution is providing required facilities to encourage faculty members for the completion of funded research projects and publish the output in the form of publications in peer-reviewed journals with good impact factor. High quality research works are filed for patents. The following faculty members have filed for patents of which one has been awarded.

PATENT AWARDED:**Dept. of Chemistry:**

S. Sangeetha and S. Elamathi, A Process for Preparation of Sulphonated Polymer Membrane, NO. 258242 (2014)

PATENTS PUBLISHED:**Dept. of Chemistry:**

- **B. Venkata Raman**, Sequential separation of high value products from microalgae, PR No. 3792/CHE/2010 published on 31-12-2010
- B.K. Mandal, **K. Mohan Kumar** and E. Appala Naidu, Synthesis of leaf and flower shaped ZnO nanostructures using trigol as dispersant, PR No. 3511/CHE/2010.
- B.K. Mandal, **K. Mohan Kumar** and A. Murad Basha, Synthesis of stable zero valent iron nanoparticles using organic stabilizers, PR No. 2659/CHE/2010.

Dept. of Electrical and Electronics Engineering:

- **B. Rama Kumar**, Solar Effluent Treating System, PR No. 1477/CHE/2009, published on 31-08-2016
- **B. Rama Kumar**, Silkworm Pupae Solar Dehydrator (SPSD), PR No. 2638/CHE/2010

PATENT FILED:

- **B. Rama Kumar**, Automation of drilling procedures by micro controllers patent application submitted.

3.2.5 Provide the following details of ongoing research projects:

R&D division has initiated good number of research projects (Both Minor & Major) to create a conducive environment and research temperament among the faculty members and students.

Table No: 3.2.3: List of ongoing research projects

	Year wise	Number	Name of the Project	Name of the funding agency/ industry	Total grant Received in Rupees
A. Institute funded					
Minor projects	2010 onwards	01	LED Display System with GSM based automatic web-updates	Sponsored by Ratakonda Ranga Reddy Educational Academy	1,00,000.00
	2012	01	Encryption Algorithms for embedded systems	Sponsored by Ratakonda Ranga Reddy Educational Academy	1,00,000.00
	2013	01	Face Recognition systems	Sponsored by Ratakonda Ranga	1,00,000.00



				Reddy Educational Academy	
	2014	01	Giga FLOP ALU	Sponsored by Ratakonda Ranga Reddy Educational Academy	2,00,000.00
				Total	5,00,000.00
Major projects	Nil	Nil	Nil	Nil	00.00
Along with Industry	Nil	Nil	Nil	Nil	00.00
B. Other agencies – National and International (specify)					
Minor projects (National)	2013-14	E	Annexure-1.0	UGC- SERO, Hyderabad	24,90,000.00
	2014-15	09	Annexure – 1.1	UGC- SERO, Hyderabad	25,07,000.00
	2015-16	09	Annexure – 1.2	UGC- SERO, Hyderabad	23,65,000.00
				Total	73,62,000.00
Major projects (National)	Project sanctioned under Technical Education Quality Improvement Program (TEQIP) for the years 2012 - 2017				
	2012-2017	NPIU	TEQIP under subcomponent 1.2	NPIU implemented Technician Education Projects of Government of India assisted by World Bank	6,00,00,000.00
	2015-16	UGC- 02	Annexure – 2.0	UGC, Govt. of India, New Delhi	9,28,000.00
	2015-16	DST –02	Annexure – 2.1 (WOS-A)	DST, Govt. of India, New Delhi	46,70,000.00
	2015-16	DST– 02	Annexure – 2.2 (Fast Track scheme)	DST, Govt. of India, New Delhi	60,18,600.00
	2015-16	DST– 01	Annexure – 2.3 (CSRI scheme)	DST, Govt. of India, New Delhi	26,69,600.00
	2016-17	DST– 01	Annexure – 2.4 (RCA scheme)	DST, Govt. of India, New Delhi	38,37,690.00
	2016-17	DST– 01	Annexure – 2.5 (Special scheme)	DST, Govt. of India, New Delhi	15,00,000.00
				Total	7,96,23,890.00
C. Industry sponsored	2015-16	01	Consultancy- Software development	Tech Meet, Flat No.2, Fifth floor, Vidisha Towers, Beside Kalanikethan, Dwarakanagar,	2,50,000.00



	2016-17	01	Consultancy project – Finite Element Analysis of fire rated Gas turbine enclosure doors	Visakhapatnam AAF Ltd, Engineering Division Bassin Lane, Cramlington, New Castle – NE238AF, UK (Total Cost of the Project: £ 9042 GBP)	7,86,570.00
Consultancy work with institute	2015–16	01	Consultancy	Holy Mary Institute of Technology & Science, Hyderabad	8,00,000.00
				Total=	18,36,570.00

Annexure – I: Minor Projects: 2013-14

S. No	Name of the Project
1.	Study on ADHAAR card implementation in Chittoor district
2.	Challenges and opportunities in empowering women of backward classes through SHG’S in Chittoor District in Andhra Pradesh
3.	Thermal radiation effects on a non-Newtonian oldroyd-b Nano fluid from a stretching sheet in a non-Darcy porous medium
4.	A study on some domination parameters of quadratic residue clayey graphs
5.	Development of student educational learning system based on mobile cloud computing
6.	Semi-supervised learning and its applications for image and document categorization
7.	Expert system to predict the type of fever using data mining techniques on medical databases
8.	Wise usage of technology in English language class room by professional students- a study
9.	Rendition of English language in the classes of higher education: a study
10.	English as a tool for enhancing employability for ability for engineering graduates

Annexure – 1.1: Minor Projects: 2014-15

11.	Development of a cloud to monitor and track the Vehicles at check posts
12.	Decision support system for agricultural land for crops in Kadapa and chitter district
13.	Design and development of hybrid vehicle for physically challenged persons
14.	Analysis and optimization of tube hydroforming process parameters for corrosion resistance material
15.	Effective usage of technology in imparting career skills for academically backward students of engineering
16.	Investigation of certain control strategies on Brush-less DC Motor with artificial intelligence applications



17.	A Study on career planning absurd among students and its impact on employability
18.	Monitoring of water level variations in rivers, Dams, reservoirs and Flood alert system using wireless sensor networks
19.	Development of advanced image processing methods for assessing and monitoring the content of trees outside forests using IRS high resolution satellite images
Annexure – 1.2: Minor Projects: 2015-16	
20.	Metal nanoparticles supported on Heteroatom Doped Carbon Nano-Dots: Synthesis, Characterization and Applications
21.	Development of ZnO-SnO ₂ thin films, characterization and study of their solar cell applications
22.	An Empirical Study on child Labor in Unorganized sector in drought-prone Rayalaseema Region of Andhra Pradesh
23.	Skill development for enhancing employability for unemployed youth of Andhra Pradesh region
24.	Stochastic modeling of seasonal and annual rainfall patterns in Rayalaseema Region
25.	Analyzing Ground Water Quality using Data Mining Techniques for the regions of Kadapa District, A. P, and developing a portal of Drinking water supply management system
26.	Detection Approach of Botnets with Cross Cluster Correlation
27.	Determination of mechanical properties of aluminum metal matrix composite parts produced by 3D printing
28.	A context based digital Assistant that stores and extracts articles from National English dailies
Annexure – 2.0: Major projects sanctioned by UGC, New Delhi: 2014-15	
29.	Synthesis of mesostructured materials by using novel sugar based surfactants
30.	3D Intelligent information system for identifying suspicious activity
Annexure – 2.1: DST -Women Scientist (WOS-A) sanctioned by DST, New Delhi	
31.	Some studies on domination parameters of Cayley Graphs
32.	Computational analysis of boundary layer of non-newtonian fluids in porous media
Annexure – 2.2: DST(Fast Track Young Scientist) Schemes sanctioned by SERB, DST, ND	
33.	Experimental investigations and hybrid approach for modeling and multi objective optimization of pulsed laser milling of micro-channels
34.	Simulation and analysis of fire accidents in passenger train cars
Annexure – 2.3: DST(Cognitive Science Research Initiative- CSRI) Schemes sanctioned by DST, New Delhi: 2015-16	
35.	Design & Development of brain test adequacy system to improve cognitive index of young India using noninvasive brain sensor and artificial neural networks
Annexure – 2.4: DST(Research Career Award) Schemes sanctioned by DST, New Delhi: 2016-17	
36.	Investigation and characterization of Electrical Discharge Coated (EDC) alloys for mitigation of biological fouling on maritime structures.
Annexure – 2.5: DST(NRDMS) Schemes sanctioned by DST, New Delhi: 2016-17	
37.	Investigations on DC Nano Grid for Rural Applications



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

- Department of Science and Technology, Govt. of India, during 2015-16, has sanctioned Rs.30,00,000/- under the scheme of “Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2015” to strengthen the research facilities in all Science departments.
- Nine departments of this institute were identified as “Recognized Research Centers” by JNTUA, Ananthapur, Andhra Pradesh for pursuing PhD programs at MITS from 2014 onwards.

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

Table No: 3.2.7: List of research projects completed in the last four years

Year wise	Number	Name of the Project	Name of the funding agency/industry	Total grant Received (Rs)
2010 onwards	01	LED Display System with GSM based automatic web-updates	Sponsored by Ratakonda Ranga Reddy Educational Academy	1,00,000.00
2012	01	Encryption Algorithms for embedded systems	Sponsored by Ratakonda Ranga Reddy Educational Academy	1,00,000.00
2012	01	Development of high strength materials for micro air vehicle structures	Institution of Engineers India	50,000.00
2013	01	Face Recognition systems	Sponsored by Ratakonda Ranga Reddy Educational Academy	1,00,000.00
			Total	3,50,000.00

3.3 RESEARCH FACILITIES

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

- The college has provided adequate research facilities to all the departments. Nine departments are recognized as Research Centers by JNTUA, Ananthapuramu to offer full time PhD Programmes from the academic year 2013-14.



- All the eligible senior faculty members with doctorates have been recognized as Research Supervisors by affiliating university (i.e., JNTUA) and other national universities.
- Every department has its own Departmental Research Committee (DRC) to monitor & review ongoing funded/ consultancy and academic projects.
- A Board of Research Committee (BRC) assesses the productivity and research output of all projects annually.
- Every Department has its own Research groups (2 – 4) to take-up & guide research in thrust areas through interdisciplinary approach.

Strategies:

- Advanced training on emerging technologies and software is provided to the faculty members and research scholars to updated knowledge in the concerned domain.
- Interdisciplinary research facility is setup.
- Seed money is granted to researchers.
- Travelling and sundry expenditure is being borne for presentation of project proposals
- Research assistance-ship is provided to full time research scholars.
- Guest lectures are arranged in various upcoming areas of research.
- Industry Institute Interaction has been strengthened.
- Experts from R&D organizations are invited to educate faculty members on various avenues for research funding.

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

Yes, the institute Information Resource Centre exists in Central Library to support the needs of the researchers. The Centre provides:

- Digital Library to access online resources
- Online Public Access Catalogue (OPAC), e-learning resources and national and international journals
- E-resources IEEE, ASME, SPRINGER, Elsevier (Science Direct), Mc GRAW HILL, J-GATE, N-list, DELNET, Sage Publications, KNIMBUS, NPTEL, indianjournals.com, street, MBCET link.
- Galileo Integrated Digital Learning Center (GDLC) which consists of total 1,47,500 objects, 16,000 independent volumes, 1950 video lectures from scholars of MIT, Harvard, Stanford, Berkeley, CMU covering 17 disciplines including English Language lab, soft skills, leadership, motivational, Industry skill tutorials, concept animations, demos etc.,
- Participation in Resource sharing networks/consortia like Inflightnet and Delnet
- Anti-Plagiarism Software, “URKUND” to verify the projects, dissertations, thesis and other publications of staff and students.

Table No: 3.3.2:Books, Journals and Magazines details in various Departments

Department		Volumes	Titles	National Journals (Printed)	Intl. Journals (Printed)	Magazines (Printed)
B.Tech	C.S.E	12642	1265	15	1	6
	E.C.E	8073	1,114	16	0	2
	E.E.E	6136	1049	11	1	4
	M.E	6058	1,048	14	0	3
	B.T	448	64	-	-	-
	Civil	2,602	496	0	0	-
	BS& H	8284	642	19	0	-
	Engg. Total	44243	5,678	75	2	15
	General	2,015	450	-	-	25
PG	M. Tech	1,590	425	-	-	-
	MBA	4221	815	17	0	3
	MCA	2,722	556			
	Total	54791	7,924	92	2	43

Table No: 3.3.2.1:List of e-books

E-Books		
S.No.	Source	Titles
1	N-List	1,38,521
2	GDLC	6,298
Total :		1,44,819

Table No: 3.3.2.2: List of e-Journals

E-Journals		
S.No.	Source	Titles
1	IEEE (All Societies)	169
2	Springer	586
3	Elsevier (Science Direct)	275
4	J-Gate (Management)	4,538
5	ASME	27
6	N-List	6,328
		11,923

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

The faculty members and research scholars utilize laboratories, computer center and library till 7pm. Entire campus is WiFi enabled with high speed internet facility. However, residential facilities are providing to all students opposite to the main campus.



Faculty members especially, all doctorates and faculty involving in R&D projects and consultancy works are provided with **Airtel 4G/3G dongles** for continuously work on INTERNET facility for their R&D requirements and to guide Research Scholar with up to date information along with two newspapers (of their choice) to every faculty house.

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

- Institute has specialized Research Centre at the institution level and departmental level to promote research activities on the campus
- Innovation Centre promotes start-ups and entrepreneurship.
- Every department has specialized Research Centers, which offer full-time Ph.D programmes

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

The institute is recognized as Centre of Excellence by the Department of Science and Technology, Govt. of India which has sanctioned Rs.30,00,000/- under the scheme of FIST 2015. Some of the Research Centers are:

- ✓ MITS Innovation Center
- ✓ IBM Center of Excellence
- ✓ Skill Development Center (SDC)
- ✓ Patenting Cell
- ✓ Entrepreneurship Developments Cell (EDC)
- ✓ Nine Recognized Research Centers

3.4 RESEARCH PUBLICATIONS AND AWARDS

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

- Major papers presented in regional, national and international conferences
- Publication per faculty member
- Faculty serving on the editorial boards of national and international journals
- Faculty members on the organization committees of international conference recognized by reputed organizations / societies
- Major papers presented in regional, national and international conferences

Table No: 3.4.1: Papers presented in Regional, National and International Conferences

Year	Department	No. of Papers presented in Conferences	
		National	International
2011-12	EEE	-	-
	ECE	10	16
	ME	0	03
	CSE	01	02
	MBA	12	03
	MCA	09	01
	BSH	11	04
2012-13	EEE	03	03
	ECE	09	07
	ME	33	05
	CSE	-	03
	MBA	10	06
	MCA	12	08
	BSH	13	15
2013-14	EEE	-	02
	ECE	07	08
	ME	03	09
	CSE	-	01
	MBA	09	21
	MCA	04	02
	BSH	12	12
2014-15	EEE	01	-
	ECE	11	15
	ME	17	13
	CSE	-	-
	MBA	13	21
	MCA	03	03
	BSH	09	19
2015-16	EEE	-	01
	ECE	11	15
	ME	17	13
	CSE	-	-
	MBA	13	21
	MCA	02	01
	BSH	08	06


Publication per faculty for last four years (2011-15)
Department of Computer Science & Engineering

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. T. Ravi	Professor	-	10	10
2	Dr. E. Madhusudhana Reddy	Professor	-	10	10
3	Dr. M. Sreedevi	Assoc. Prof &HOD	-	09	09
4	Dr. V. Hanuman Kumar	Assoc. Professor	01	04	05
5	Dr. Venington .K.	Assoc. Professor	-	04	04
6	Mr. M. V. Jagannatha Reddy	Asst. Professor	-	06	06
7	Mrs. P. Rajarajeswari	Asst. Professor	-	01	01
8	Mr. K. R. K. Satheesh	Asst. Professor	01	01	02
9	Mr. Surya Bahadur	Asst. Professor	-	05	05
10	Mr. Wilson Thomas	Asst. Professor	-	07	07
11	Mr. S. VikramPhaneendra	Asst. Professor	-	04	04
12	Mr. B. Krishna Sagar	Asst. Professor	-	04	04
13	Mrs. S. Kusuma	Asst. Professor	-	06	06
14	Mr. G. Hemanth Kumar Yadav	Asst. Professor	-	03	03
15	Mr. S. M. Farooq	Asst. Professor	-	02	02
16	Mr. N. SudhakarYadav	Asst. Professor	-	03	03
17	Mr. VeereshBabu	Asst. Professor	-	03	03
18	Mr. D. Kasiviswanath	Asst. Professor	-	01	01
19	Mr. Y. C. A. Padmanabha Reddy	Asst. Professor	-	05	05
20	Mr. M. Srujan Kumar Reddy	Asst. Professor	-	07	07
21	Mr. M. Prabhakar	Asst. Professor	-	05	05
22	Mr. M. Kiran Kumar	Asst. Professor	-	04	04
23	Mr. R. Sathiya Raj	Asst. Professor	-	08	01
24	Mr. S. H. ShabbeerBasha	Asst. Professor	01	02	03
25	Mr. C. Narasimha	Asst. Professor	-	03	03
27	Mr. G. Sreenivasulu	Asst. Professor	-	--	--
28	Mr. J. Chandra Sekhar	Asst. Professor	-	01	01
32	Mr. P. VenkataSai Chandra Kanth	Asst. Professor	-	01	01
33	Mr. D. M. AbhinayKanth	Asst. Professor	-	01	01

Department of Electrical and Electronics Engineering

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. C. Kamal Basha	Assoc. Professor	01	06	07
2	Dr. A. Anbarasan	Assoc. Professor	-	14	14
3	Dr. K. Rajangam	Assoc. Professor	-	14	14
4	Dr. Rajendraprasad Narne	Assoc. Professor	-	05	05



5	Dr. R. Rajkamal	Assoc. Professor	-	12	12
6	Dr. A. Sudhakar	Sr.Asst. Professor	-	04	04
7	Dr.P.Chnandhra Babu Naidu	Sr.Asst. Professor	-	15	15
8	Mr.K.Arul Kumar	Asst. Professor	-	05	05
9	Mr. D. Chinnakullay Reddy	Asst. Professor	-	04	04
10	Mr. B. Chandra Sekhar	Asst. Professor	-	05	05
12	Mr. Shaik Khadarvali	Asst. Professor	-	04	04
13	Mr. K. V. Satheesh Babu	Asst. Professor	-	06	06
14	Mr. G. Ravi Prakash	Asst. Professor	-	03	03
15	Mr. K. Vasu	Asst. Professor	-	09	09
16	Mr. M. Lokesh	Asst. Professor	-	08	08
18	Mr. B. Sreenivasa Raju	Asst. Professor	-	06	06
19	Mr. M. Kishore	Asst. Professor	-	05	05
20	Mr. V. B. Thurai Raaj	Asst. Professor	-	01	01
21	Mr. B. M. Rama Murthy	Asst. Professor	-	01	01
22	Mr. B. Swami Konda	Asst. Professor	-	01	01
23	Ms. G. S. Bharathi	Asst. Professor	-	01	01
24	Ms. A. Chandrakala	Asst. Professor	-	01	01
25	Mr. M. Lokanatha	Asst. Professor	-	01	01
26	Mr. N. S. S. Rama Krishna	Asst. Professor	-	01	01
27	Mr. Y. Sateesh Devanga	Asst. Professor	-	01	01

Department of Electronics and Communication Engineering

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1.	Dr. A. R. Reddy	Professor & Head	-	04	04
2.	Dr. S. A. K. Jilani	Professor	-	09	09
3.	Dr.D.Rajaveerappa	Professor	-	11	11
4.	Dr. J. L. Mazher Iqbal	Professor	02	09	11
5.	Dr. Thamarai	Professor	03	13	16
6.	Dr. Gautam Narayan	Assoc. Professor	-	01	01
7.	Dr. S. JaveedHussain	Assoc. Professor	-	04	04
8.	Dr.Sudhakar T	Assoc. Professor	-	5	5
9.	<u>Dr. S. Rajasekaran</u>	Sr Asst. Professor	-	5	5
10.	Dr. G. Hari Krishnan	Sr Asst. Professor	1	22	23
11.	Dr. Roshan Kumar	Sr Asst. Professor	-	3	3
12.	Dr.Sathees Kumar Nataraj	Sr Asst. Professor	-	6	6
13.	Mrs.Usha Rani	Assistant professor	-	1	1



14.	Mr.M.Karthikeyan	Assistant professor	-	2	2
15.	Mr.Gajendra Sharma	Assistant professor	-	0	0
16.	Mr. M. JagadeeshBabu	Asst. Professor	-	05	05
17.	Mr. B. Sukumar	Asst. Professor	03	05	08
18.	Mr. M. Sreenath Reddy	Asst. Professor	-	02	02
19.	Mr. G. Sambasiva Rao	Asst. Professor	-	03	03
20.	Mr.ShaikKhadarvali	Asst. Professor	-	8	8
21.	Mr. S. Arun	Asst. Professor	-	02	02
22.	Ms. C. K. Hemantha Lakshmi	Asst. professor	-	3	3
23.	Mr. P. R. Rathna Raju	Assis. professor	-	-	-
24.	Mr. J. T. Pramod	Asst. Professor	-	03	03
25.	Mr. U. Sreenivasulu	Asst. Professor	-	02	02
26.	Mr. L. Ashok	Asst. professor	-	-	-
27.	Mr. B. Vamsi Krishna	Asst. Professor	-	-	-
28.	Mr. M. Venkata Srinu	Asst. Professor	-	04	04
29.	Mr. R. Ravindraiah	Asst. Professor	-	09	09
30.	Mr.ShantanuSaha*	Asst. Professor	-	-	-
31.	Mr. V. Satish Kumar	Assistant professor	-	1	1
32.	Mr. D. Girish Kumar	Asst. Professor	-	03	03
33.	Mr. P. Durga Nagendra Kiran	Asst. Professor	-	-	-
34.	Ms. D. N. Keerthana		-	-	-
35.	Mr. Issac Gaberiel . A	Asst. Professor	-	-	-
36.	Ms. J. Mary Angel Asha Latha	Asst. Professor	-	-	-
37.	Mrs. A. Chandra Kala	Asst. Professor	-	-	-
38.	Mr. G. Subbarao	Asst. Professor	-	-	-
39.	Mr. E. Ramesh	Asst. Professor	-	-	-
40.	Mr. R. S. Shaikvali. Malik	Asst. Professor	-	-	-
41.	Mr. D. Raghuram	Asst. Professor	-	2	2
42.	Mr. M. Phanidhar Kumar	Asst. Professor	-	-	-
43.	Mr. R. MadhuKrishna	Asst. Professor	-	-	-
44.	Mr. G. Rajiv	Asst. Professor	-	-	-
45.	Mr. ShaikTipuRahaman	Asst. Professor	-	-	-
46.	Mr. K. MD. Riyaz Ali	Asst. Professor	-	-	-
47.	Ms.K.Vasuki	Asst. Professor	-	-	-
48.	Mr.RahimBaksh	Asst. Professor	-	-	-

Department of Mechanical Engineering

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. G. Harinath Gowd	Professor & Head	-	24	24
2	Dr. C. Yuvaraj	Professor & Principal	-	09	09
3	Dr. Suryanarayana Raju Pakalapati	Professor	-	09	09
4	Dr. B. Eswar Kumar	Professor	-	06	06



5	Dr. K. V. P. Chakradhar	Assoc. Professor	01	11	12
6	Dr. K. G. Sudhakar		—	01	01
7	Dr. T. Vishnu Vardhan	Assoc. Professor	-	09	09
8	Dr. A. Balaraju	Assoc. Professor	-	12	12
9	Dr. S. Bhaskaran	Assoc. Professor	01	06	07
10	Dr. John Baruch	Professor	-	08	08
11	Dr. I. Arun	Assoc. Professor	-	03	03
12	Dr. Ganesh Balamurugan	Sr. Asst Professor	-	05	05
13	Dr. Vinoth Kumar S	Sr. Asst Professor	02	03	05
14	Dr. Ch. Vijaya Kumar	Sr. Asst Professor	—	03	03
15	Mr. Ch. Srinivasa Rao	Assoc. Professor	-	05	05
16	Mr. V. Vamsidhar	Assoc. Professor	-	04	04
17	Mr. Rayudu Peyyala	Assoc. Professor	-	02	02
18	Mr. Prasanta Kumar	Asst. Professor	—	01	01
19	Mr. P. Srikar	Asst. Professor	—	05	05
20	Mr. B. Sreenivasulu	Asst. Professor	-	11	11
21	Mr. S. Praveen Kumar	Asst. Professor	-	06	06
22	Mr. Sreenivasulu Bezawada	Asst. Professor	-	14	14
23	Mr. M. Vamsi Krishna	Asst. Professor	01	12	13
24	Mr. P. Venkataramana	Asst. Professor	-	05	05
25	Mr. V. Ajay	Asst. Professor	-	05	05
26	Mr. Guna Sekhar Reddy	Asst. Professor	-	08	08
27	Mr. G. Guru Mahesh	Asst. Professor	-	12	12
28	Mr. M. Subba Rao	Asst. Professor	-	01	01
29	Mr. S. Kareemulla	Asst. Professor	-	02	02
30	Mr. Manu Ravuri	Asst. Professor	-	12	12
31	Mr. Mohammad Rafi	Asst. Professor	-	02	02
32	Mr. P. Meghashyam	Asst. Professor	-	01	01
33	Mr. S. Girivardhan Naidu	Asst. Professor	-	01	01
34	Mr. K. Ravi	Asst. Professor	-	01	01
35	Mr. H. Raghavendra	Asst. Professor	-	07	07
36	Mr. P. Mohammad Riyaz Ali	Asst. Professor	-	01	01
37	Mr. U. Nagaraju	Asst. Professor	-	03	03
38	Mr. R. Ramesh	Sr. Asst. Professor	-	02	02
39	S. Krishna Chaitanya	Teaching Assistant	—	01	01

Department of Civil Engineering

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. Y. Amarnath	Professor	01	05	06
2	Dr. M. Chittaranjan	Professor & Head	02	09	11
3	Dr. N. Kumara Swamy	Professor & Dean RRC	02	05	07
4	Mr. M. Purnachandra Sai	Asst Professor	-	02	02



Department of Basic Sciences & Humanities

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. G. Hampamma	Professor	5	9	14
2	Dr. Akhil Kumar Jha	Sr. Asst. Professor	-	3	3
3	Dr. S. Shanmuga Priya	Asst. Professor	2	2	4
4	Dr. B. Rasheeda Begum	Asst. Professor	3	5	8
5	Dr. M. Vishnu Priya	Asst. Professor	1	1	2
6	Dr. R. Rushula Devi	Asst. Professor	3	1	2
7	Dr. K. Lakshmi Devi	Asst. Professor	1	4	5
8	Dr. A. Madhusudhan Rao	Asst. Professor	1	5	6
9	Dr. Parul Saxena	Asst. Professor	1	-	1
10	Dr. S. Bajivali	Asst. Professor	-	-	-
11	Mrs. D. Athar Samina Khan	Asst. Professor	4	6	10
12	Mrs. M. R. Indumathi	Asst. Professor	2	5	7
13	Mrs. M. Parvathi	Asst. Professor	4	6	10
14	Dr. V. Ramachandra Prasad	Professor	04	46	50
15	Dr. M. Sudhakar Reddy	Asst. Professor & HOD	-	03	03
16	Dr. N. Nagendra	Asst. Professor	01	08	09
17	Dr. R. Saravana	Asst. Professor	-	21	21
18	Dr. K. V. Narasimha Murthy	Asst. Professor	-	05	05
19	Dr. P. Kalpana	Asst. Professor	-	05	05
20	Dr. A. Subba Rao	Asst. Professor	-	10	10
21	Dr. P. Devaki	Asst. Professor	-	1	4
14	Dr. B. Venkateswarlu	Asst. Professor	-	12	12
23	Dr. P. Ramesh Reddy	Asst. Professor	-	05	05
24	Dr. S. Jeelani Begum	Asst. Professor	02	09	11
25	Dr. S. Gouse Mohiddin	Asst. Professor	02	09	11
26	Dr. P.V. Ramakrishna	Asst. Professor	-	05	05
27	Dr. P. Sree Brahmanandam	Professor	01	14	15
28	Dr. S. Victor Vedanayakam	Asst. Professor	01	04	05
29	Dr. M. Chandra Sekhar	Asst. Professor	-	08	08
30	Dr. Nanda Kumar Reddy	Asst. Professor	01	09	10



31	Dr. Virendra Kumar Verma	Asst. Professor & HOD	-	12	12
32	Dr. Sumit Kumar	Asst. Professor	01	08	09
33	Dr. Jagadeesh Babu Bellam	Asst. Professor	-	06	06
34	Dr. B. Venkata Raman	Professor	07	13	20
35	Dr. P. P. George	Asst. Professor	-	02	02
36	Dr. S. Elamathi	Asst. Professor	-	06	06
37	Dr. Sovan Roy	Asst. Professor & i/c HOD	-	03	03
38	Dr. K. Chandra Mohan	Asst. Professor	-	09	09
39	Dr. E. Veera Venkata Ramesh	Asst. Professor	-	06	06
40	Dr. Logudurai R	Asst. Professor	-	06	06
40	Dr. Arunbabu D	Asst. Professor	-	07	07
41	Dr. Nasrin Ismail Shaikh	Asst. Professor	-	3	3
42	Dr. K. Mohan Kumar	Asst. Professor	1	18	19
43	Dr. M. Balaji	Asst. Professor	-	10	10
44	Dr. Balaji Ramanujam	Research Officer	-	5	5
45	Dr. A. Selvaganapathi	Research Officer	-	1	1
46	Dr. K. Seen Meera	Research Officer	-	12	12
47	Dr. R. Thulasi Ram Naidu	Professor & HOD	0	0	0
48	Dr. P. Seshagiri Rao	Asst. Professor	2	2	4
49	Dr. Prashanth Gupta	Asst. Professor	1	1	2
50	Dr. K. Srinivasa Rao	Asst. Professor	2	24	26
51	Dr. V. Sreecharan	Asst. Professor	2	5	7
52	Dr. K. Nagaraju	Asst. Professor	5	15	20

Department of Management Studies

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. D. Pradeep Kumar	Professor & Head	03	10	13
2	Dr. Ch. Rama Prasada Rao	Professor	02	05	07
4	Dr. N. Gangisetty	Assoc. Professor	-	04	04
6	Dr. R. Varadarajan	Assoc. Professor	-	01	01
7	Dr. D. Adi Narayana	Asst. Professor	-	04	04
8	Dr. Chandra Kanta Sahoo	Asst. Professor	-	05	05
9	Dr. K. Thulasi Krishna	Asst. Professor	04	05	09
10	Dr. U. Raghavendra Prasad	Asst. Professor	-	04	04
11	Dr. R. Varaprasad	Asst. Professor	-	03	03



12	Dr. K. Srinivas	Asst. Professor	-	05	05
13	Dr. Shaik Ahamed Basha	Asst. Professor	01	05	06
14	Dr. Mohd Mujahed Ali	Asst. Professor	-	03	03
15	Dr. K. V. V. Raaju	Asst. Professor	01	04	05
16	Mr. N. Seshadri	Asst. Professor	02	04	06
17	Mrs. R. Kanimozhi	Asst. Professor	02	01	03
18	Mr. S. Ismail	Asst. Professor	-	03	03
19	Dr. CV Krishna	Asst. Professor	--	01	01
20	Dr. K.V.Geetha Devi	Asst. Professor	01	06	07

Department of Computer Applications

S. No	Name of the Faculty	Designation	No of Papers published in Journals		Total
			National	International	
1	Dr. Ganala Santoshi	Asst. Professor & Head	-	03	03
2	Dr. S. V. S. Ganga Devi	Asst. Professor	-	07	07
3	Dr. N. Naveen Kumar	Asst. Professor	-	07	07
4	Dr. M. Jayakameswaraiah	Asst. Professor		09	09
5	Dr. P. Velayutham	Asst. Professor	02	03	05
6	Dr. E. Madhusudhana Reddy	Asst. Professor	01	30	31
7	Dr. R. Parthiban	Asst. Professor	-	02	02
8	Dr. R. Senthil Kumar	Asst. Professor	-	06	06
9	Dr. C. Vijay Kumar	Asst. Professor	-	06	06
10	Dr. V.L. Pavani	Asst. Professor	-	05	05
11	Dr. S. G. Shrinivas	Asst. Professor	-	02	02
12	Mr. K. Chokkanathan	Asst. Professor	-	04	04
13	Mr. K. Chandra Sekhar	Asst. Professor	-	02	02
14	Mr. A. Altaf Ali	Asst. Professor	-	02	02
15	Mrs. K. Surekha	Asst. Professor	-	01	01

- Faculty serving on the editorial boards of National and International Journals

Department of Electronics and Communication Engineering

S. No	Name of the Faculty	Name of the Journals	Role
1	Dr. M. Thamarai	IET image processing Online ISSN 1751-9667 Print ISSN 1751-9659	Reviewer
2	Dr. M. Thamarai	Journal of Electrical Engineering	Reviewer



		&Technology ISSN(Print) : 1975-0102 eISSN(online) : 2093-7423	
3	Dr. M. Thamarai	International journal of Intelligent information systems ISSN Print: 2328-7675 ISSN Online: 2328-7683	Editorial Member
4	Dr. M. Thamarai	Science Journal of Circuits and Systems and Signal processing. ISSN Print: 2326-9065 ISSN Online: 2326-9073	Guest editor Member Computational intelligence in Digital image Processing
5	Dr J L Mazher Iqbal	Integrated Optics and Light wave: An International Journal (OPTLJ)	Editorial board member
6	Dr J L Mazher Iqbal	Circuits System and Signal Processing, Springer Journal (Impact factor 1.23), ISSN0278-081X (print), ISSN1531-5878 (electronic)	Reviewer
7	Dr J L Mazher Iqbal	IET Signal Processing (Impact factor 0.561), ISSN1751-9675	Reviewer
8	Dr. G. Hari Krishnan	JEEE	Reviewer
9	Dr. G. Hari Krishnan	RJPBCS	Reviewer
10	Dr. S. A. Jilani	Springer : Multimedia tools and applications, ISSN:1380-7501 (Print), 1573-7721 (Electronic version)	Reviewer
11	Dr. T. Sudhakar	IEEE Transactions on Medical Imaging	Reviewer
12	Dr. T. Sudhakar	Infrared Physics and Technology	Reviewer
13	Dr. S. Rajasekaran	International Journal of Engineering Research and Technology, ISSN: 2278-0181	Reviewer
14	Dr. S. Rajasekaran	International Journal of Adhoc Networks, Elsevier , ISSN:1570-8705	Reviewer

Department of Electrical and Electronics Engineering

SNo	Name of the Faculty	Name of the Journals	Role
1	Dr. R. Rajkamal	Indian Journal of Science & Technology	Reviewer

Department of Mathematics

S. No	Name of the Faculty	Name of the Journals	Role
1	Dr. V. Ramachandra Prasad	Rheologica Acta (Springer).	Reviewer
		Mathematical and Computer Modelling (Elsevier)	Reviewer



		Non-linear Analysis Modelling and Control (Lithuanian Association of Non-Linear Analysts)	Reviewer
		Chemical Engineering Communications (Taylor and Francis)	Reviewer
		International Journal of Applied Mathematics and Mechanics (Hong Kong)	Reviewer
		International Journal of Numerical Methods in Fluids (Wiley).	Reviewer
		Progress in Computational Fluid Dynamics (Inderscience, Germany)	Reviewer
		International Journal of Heat and Mass Transfer (Elsevier).	Reviewer
		Journal of Applied Fluid Mechanics(Belgium)	Reviewer
		Arabian Journal of Science and Engineering	Reviewer
		Computers and Mathematics (Elsevier).	Reviewer
		Journal of Petroleum and Gas Exploration Research	Reviewer
		International Journal of Engineering	Reviewer
		Thermal Science(DOI SERBIA)	Reviewer
		Journal of Franklin Institute(Elsevier)	Reviewer
		Journal of Porous media(Begellhouse.com)	Reviewer
		Ain Shams Engineering Journal(Elsevier)	Reviewer
		AIAA Journal of Thermophysics and Heat Transfer	Reviewer

Department of Physics

S. No	Name of the Faculty	Name of the Journals	Role
1	Dr. K. Upendra Kumar	Ionics	Reviewer
		Journal of Non Crystalline Solids	Reviewer
		Materials Research Bulletin	Reviewer
		Optical Materials	Reviewer
		Nanoscale	Reviewer
		Journal of Alloys and Compounds	Reviewer
		Optical Materials	Reviewer



		Chemistry of Materials	Reviewer
		Journal of Alloys and Compounds	Reviewer
2	Dr. B. Jagadeesh Babu	Material Science in Semiconductor Processing	Reviewer
		Thin Solid Films	Reviewer
3	Dr. K. Kamakshi	Optics Communications	Reviewer
		2. Optical Fiber Technology	Reviewer
		3. Chinese Optics Letters Optics	Reviewer
		4. International Journal for Light and Electron	Reviewer
		5. Sensors and Actuators	Reviewer
4	Dr. A. Harish Sharma	Journal of Nano Particle Research	Reviewer

Department of Chemistry

S. No	Name of the Faculty	Name of the Journals	Role
1	Dr. B. Venkata Raman	International Journal of Medicinal	Reviewer
		Journal of Agricultural and Crop Research, an International journal	Reviewer
		Advancement in Medicinal Plant Research	Reviewer
		Bioinformation	Reviewer
		Medical Journal of Dr. D.Y. Patil University	Reviewer

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

Department of Electronics and Communication Engineering

S. No	Name of the Faculty	Name of the program	Organization/ Society	Date
1.	Dr J L Mazher Iqbal	International Conference CCPE-2011	ACEEE	Nov 2011



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

MITS International Journal of Business Research” (MIJBR)

Department of Management Studies is publishing a bi-annual peer-reviewed journal titled “MITS International Journal of Business Research” (MIJBR) with e-ISSN: 2394-4161 p-ISSN: 2349-1701...

EDITORIAL ADVISORY BOARD

1. **Prof. L. Venugopal Reddy**, Chairman, The Andhra Pradesh State Council of Higher Education, Hyderabad, INDIA.
2. **Prof. K. Lal Kishore**, Vice Chancellor, Jawaharlal Nehru Technological University, Anantapur, INDIA.
3. **Prof. K. Ramakrishna Reddy**, Vice Chancellor, Sri Krishshnadevaraya University, Anantapur, INDIA.
4. **Dr. P. Murali**, Professor Emeritus in Business Management, Vice Chancellor (Rtd.) Sri Venkateswara University, Tirupati, INDIA.
5. **Dr. Udo Braendle**, Chair, Department of Business and Economics, American University in Dubai, DUBAI.
6. **Dr. N. Vijaya Bhaskar Choudary**, Secretary & Correspondent MITS, Madanapalle, Chittoor (Dist), AP, INDIA.

EDITORIAL BOARD

1. **Dr. D. Pradeep Kumar**, Professor & Head, Department of Management Studies, MITS, Madanapalle, Chittoor (Dist), AP, INDIA.
2. **Dr. Nagy Henrietta**, Professor, Institute of Regional Economics and Rural Development, SzentIstván University, Gödöllő, HUNGARY.
3. **Dr. Srinivasan Pillay**, Professor in International Education, Department of Public Management and Economics, Durban University of Technology, Durban, SOUTH AFRICA.
4. **Dr. Choon-Yin Sam**, Head, Research and Planning, PSB Academy, SINGAPORE.
5. **Dr. N. Panchanatham**, Professor of Business Administration, Annamalai University, Tamilnadu, INDIA.
6. **Dr. R. Thulasi Ram Naidu**, Professor & Head, Department of Humanities, MITS, Madanapalle, Chittoor (Dist) (A.P.) INDIA.

EDITORIAL POLICY

MIJBR publishes both theoretical and empirical papers having potential to make a significant contribution to the Management practices. All the papers submitted to MIJBR for editorial consideration are scrutinized through double blind peer review to ensure standard, quality and originality.

MIJBR endeavors to complete the review process within two weeks of the receipt of articles. Originality of all the selected articles is ensured through appropriate software and an undertaking before publication.

PLAGIARISM

This journal accepts research publications submitted by the faculty members by checking their originality with anti-plagiarism software URKUND. The research papers, which have similarity index less than 30%, are published in the institution journal after approval of the editorial board.

The journal provides opportunity to the authors to modify their papers by incorporating the suggestions given by the reviewers and to resubmit.

3.4.3 Give details of publications by the faculty:

- **Number of papers published in peer reviewed journals (national / international)**

S.No	Department	No. of papers published in National and International Journals
1	CE	14
2	CSE	118
3	EEE	132
4	ECE	157
5	ME	204
6	MCA	91
7	MBA	92
8	BSH	342

- **Monographs**

Dept. of MCA

S.No	Faculty Name	Monograph Title & Publisher details
1	Dr. Ganala Santhoshi	<u>Efficient Hexagonal 2-Coverage By Mobile Sensor Nodes</u> , ISBN-13: 978-3-659-19601-0 ISBN-10: 3659196010



		EAN: 9783659196010
2	Dr. E. Madhusudhana Reddy, Professor	Development of Secure Protocols for MHIS Using RMPJK–RSA Cryptosystem", ISBN 978-3-8465-9070-6, published by LAP Lambert Academic Publishing GmbH & Co. KG, Germany
3	Dr. E. Madhusudhana Reddy	"Pattern Analysis for Effective Classification Using Parrallel Apriori" ISBN 978-3-8433-9419-2 LAP Lambert Academic Publishing GmbH & Co., KG, Germany

• **Chapters in Books**

Department of ECE

S. No	Name of faculty	Title of Chapter(s) in Books	Publisher	Year of publication & ISBN No
1.	Dr.M. Thamarai	Swarm Intelligence in video coding	Advances in Video coding INTECH Open Access Publishers	ISBN :978-953-307-181-7 2011
2.	Dr. Sathees Kumar Nataraj	Customized Classification System Using TEP Response and Bispectral Estimation to Command an Intelligent Robot Chair with Communication Aid	ENGGPOS 2013	ISBN: 9789382338321
3.	Dr. Sathees Kumar Nataraj	Statistical Selection of Mel Filter Bands for Optimized Features in Accent Recognition	ENGGPOS 2013	ISBN: 9789382338321
4.	Dr. Sathees Kumar Nataraj	Customized Classification System Using TEP Response	ENGGPOS 2013	ISBN: 9789382338321
5.	Dr. G.Hari Krishnan	Development of Magnetic Control System for Electrical Wheel Chair Using Tongue	Springer-Verlag Berlin Heidelberg Publication	Print ISBN 978-81-322-2011-4 Online ISBN 978-81-322-2012-1, 2015



Department of Mechanical Engineering

S. No	Faculty Name	Book Title	Publisher	Year	ISBN
1	S. R. Pakalapati	Fuel Cells and Hydrogen Energy: Modeling Solid Oxide Fuel Cells	Springer Science and Business Media B.V.2008	2008	978-1-4020-6995-6

Department of Mathematics

S. No	Faculty Name	Book Title	Publisher	Year	ISBN
1	V. Ramachandra Prasad	Walters-B Viscoelastic Flow Past a Vertical Plate: Numerical Study of Unsteady Free Convective Heat and Mass Transfer in a Walters-B Viscoelastic Flow Past a Vertical Plate	Lambert Academic Publishing, Germany,	2012	10: 3659218383

Department of Computer Applications

S. No	Faculty Name	Book Title	Publisher	Year	ISBN
1	Dr. Ganala Santhoshi	Dynamic Coverage by Homogeneous Mobile Sensor Nodes Using Tri-Hexagonal Scheme (Lecture notes in Electrical Engineering	Springer India	2014	978-81-322-1156-3,

Department of Chemistry

S. No	Faculty Name	Book Title	Publisher	Year	ISBN
1	Dr. B. Venkata Raman	Emerging Trends in value addition to plants and plant products Chapter contribution	Astha Publishers, New Delhi Sponsored by UGC, ND	2014	978-81-322-1156-3
2	Dr. K. Chandramohan	Engineering Chemistry	Sri Krishna Hi-tech Publisher company PVT Ltd	2015	--

Editing Books: 02 books of Oxford publications by Dr. B. Venkata Raman, Chemistry

- Books with ISBN numbers with details of publishers

Department of Mechanical Engineering

S. No	Name of the Faculty Member	Title of the Book or Chapter	ISBN Number	Publisher
1	Dr. K. Srenivasa Reddy Dr. C. Yuvaraj Dr. G. Harinath Gowd	National Conference on Innovations in Mechanical Engineering, NCIME'13	978-93-82163-00-8	Paramount publications
2	Dr. C. Yuvaraj Dr. G. Harinath Gowd Dr. P. Suryanarayana Raju	2nd National Conference on Innovations in Mechanical Engineering, NCIME'14	978-93-82163-75-6	Paramount publications
3	Dr. G. Harinath Gowd	A GA approach to the optimization of Laser Beam Welding Publishers	978-3-659-32090	Lambert Academic Publishing House
4	Dr. C. Yuvaraj Dr. G. Harinath Gowd Dr. T. Vishnuvardhan	3rd National Conference on Innovations in Mechanical Engineering, NCIME'15	978-93-85100-53-6	Paramount publications

Department of Electronics and Communication Engineering

S. No	Name of faculty	Title of monograph	Publisher	Year of publication & ISBN No
1	Dr.R. Srinivasa Rao	Microwave Engineering	PHI Learning	ISBN-10: 8120345142 ; ISBN-13: 978-8120345140 , 2012
2	Dr.R. Srinivasa Rao	Electromagnetic Waves and Transmission Lines	PHI Learning	ISBN-10: 8120345150 ; ISBN 13: 978-8120345157, 2012
3	Dr.R. Srinivasa Rao	Antennas and Wave Propagation	Scitech publications	ISBN: 9788183713238, 2010
4	Dr K. Sakthisudhan	Certain Survey on Microwave Imaging for Breast Cancer Diagnosis System	Lambert Academic publishing', Germany	ISBN 978-3-659-75560-6, July, 2015
5	Dr K. Sakthisudhan	Investigation of QoS in VoIP over WiFi co-existing with WiMax Networks'	Lambert Academic publishing', Germany	ISBN 978-3-659-75202-5, July, 2015
6	Dr K. Sakthisudhan	VLSI Architectures	Lambert Academic publishing', Germany	ISBN 978-3-659-81319-1, Dec, 2015.

Department of Electrical and Electronics Engineering

Faculty Name	Book Title & Publisher Details	ISBN number	Publisher
Dr. KVRB Prasad	“Evolutionary Computation: Techniques and Applications”	9781771883368	Springer
Dr. K. V. R. B. Prasad & Dr.C. Kamal Basha	National Conference on Advanced Research Methodologies in Electrical Engineering (ARMEE-2013)	9789382163107	Paramount publications

Department of Computer Applications

S.No	Faculty Name	Books with ISBN numbers with details of publishers
1.	Dr. Ganala Santoshi	Dynamic Coverage by Homogeneous Mobile Sensor Nodes Using Tri-Hexagonal Scheme, Lecture Notes in Electrical Engineering, Book ISBN: 978-81-322-1156-3, Chapter No.:93, DOI: 10.1007/978-81-322-1157, Springer India 2014

Department of Civil Engineering

S. No	Name of the faculty	Title of the book	ISBN number
1	Dr. N. Kumaraswamy	Building planning & Drawing	978-93-85039-12-6
2		Environmental Engineering	978-93-80358-19-8
3		Fluid Mechanics and Mechanics Lab	978-93-80358-86-4

Department of Computer Science and Engineering

S. No	Faculty Name	Book Title & Publisher Details	ISBN/ISSN number
1		Enhancement to Selective Incremental Approach for Transductive Nearest Neighbor Classification, published by GRIN Verlag GnbH, Norderstedt Germany	ISBN 978-3-656-34250-2
2		Pattern Analysis for Effective Classification Using Parallel Apriori, published by LAP Lambert Academic Publishing GmbH & Co. KG, Germany	ISBN 978-3-8433-9419-2

3	Dr. E. Madhusudhana Reddy	Information Security, published by IKON BOOKS, Publishers and Distributors, New Delhi	ISBN: 978-81-908497-1-5
---	---------------------------	---	-------------------------

Dept. of Physics

S. No	Faculty Name	Year	Book Title & Publisher Details	ISBN/ISSN number
1	G. Sowjanya	January, 2013	Exploration of Solid Compounds by Spectroscopic Methods	LAP LAMBERT Academic Publishing ISBN-13: 978-3846598788
2	Dr. N. Nanda Kumar Reddy	August 2013	A Study on Platinum/Gold Schottky Contacts to n-type Indium Phosphide	LAMBERT Academic Publishers, Germany & ISBN: 978-3-659-46005-0
3	Dr. S. Victor Vedanayakam	November, 2014	1/f Noise Measurement System & Studies on Thin Films of CdO and Ag.	Scholars Press, Germany ISSN NO: 978-3-639-66249-8.
4	Dr. M. Chnadra Sekhar	June 2016	Investigations on Magnetron Sputtered Titanium Based Oxide Films	LAMBERT Academic Publishers, Germany & ISBN: 978-3-659-87481-9
5	Dr. N. Nanda Kumar Reddy	July 2016	Studies on Pt/Ru and Pd/Ru Schottky contacts to n type Gallium Nitrite.	Scholars Press, Germany ISSN NO: 978-3-659-84344 - 0



Department of Humanities

S. No	Name of the faculty	Name of the Book	Publisher & Year	ISBN No.
1	Dr. P. Seshagiri Rao	Development of Small Industry in Andhra Pradesh: A study with reference to Rayalaseema Region	Lambert Academic Publishing, Germany, 2011	978-3-8465-2338-4
2	Dr. K. Srinivasa Rao	Merchant Banking & Financial Services	AEPH, Bangalore, 2013	979-93-83241-02-06
3	Dr. K. Srinivasa Rao	Socio Economic Analysis of Handloom Industry in Andhra Pradesh	AEPH, Bangalore, 2015	979-93-83241-98-09

Department of Mathematics

S. No	Name of faculty	Title of Chapter(s) in Books	Publisher	Year of publication & ISBN No
1	Dr. V. Ramachandra Prasad	Radiation effects on convective flow past a vertical plate: Radiation and mass transfer effects on convective flow past a vertical plate	Lambert Academic Publishing, Germany	Year: 2010 ISBN-10:3838392515. ISBN-13:978-3838392516
2	Dr. V. Ramachandra Prasad	Thermo-Diffusion and Diffusion-Thermo Effects on Boundary Layer Flows	Lambert Academic Publishing	Year: 2011 ISBN-10:3844397450. ISBN-13:978-38344397451
3	Dr. V. Ramachandra Prasad	Walters-B Viscoelastic Flow Past a Vertical Palte: Numerical Study of Unsteady Free Convective Heat and Mass Transfer in a Walters-B Viscoelastic Flow Past a Vertical Plate	Lambert Academic Publishing, Germany	Year: 2012 ISBN-10:3659218383 ISBN-13: 978-3659218385
4	Dr. S. Gouse Mohiddin	Computational Fluid Dynamics	LAP Lambert Academic Publishing, Germany	Year: 2011 ISBN: 9783844396935
5	Dr. S. Gouse Mohiddin	Qualitative Regression Models	LAP Lambert Academic Publishing, Germany	Year: 2011 ISBN: 9783846543511
6	Dr. S. Jeelani Begum	Graph Theory: Some Studies On Dominating Functions Of Quadratic Residue Cayley Graphs	LAP Lambert Academic Publishing, Germany	Year: 2011 ISBN: 9783846503690



7	Dr. S. Jeelani Begum	Graph Theory: Dominating Functions Of Divisor Cayley Graphs	LAP Lambert, Germany	Year: 2012 ISBN: 9783659171321
8	Dr. N. Nagendra	Studies on Peristaltic Transport of Bio fluids	LAP LAMBERT	2012, ISBN: 978-3-8454- 3111-6
9	Dr. K.V.Narasimha Murthy	A Stochastic Approach for the Determination of Share Prices	LAP LAMBERT	ISBN 978-3-659- 45576-6
10	Dr. M. Sudhakar Reddy	Peristaltic Transport Problems	Lambert Academic Publishing, Germany	Year: 2012 ISBN- 10: 3845430683
11	Dr. A. Subba Rao	Heat Transfer Effects in a non- Newtonian fluid with partial slip	Scholars Press	Year; 2015 ISBN – 978-3-639- 76154-2

Department of English

S. No	Faculty Name	Book Title	Publisher	Year	ISBN
1.	G.Hampamma	Short Stories of Anita Desai, Jai Nimbkar and Shashi Deshpande A Study on Human Relations	Lambert Academic publishing	2012	9783659278402
2.	ShanmugaPriya	Rohinton Mistry's India A Socio-political View	Lambert Academic publishing	2012	9783659120077
3.	Rasheeda Begum	Aristocratic Women in Pearl S. Buck's Novels In Relevance With East Wind: West Wind And Pavilion of Women"	Lambert Academic publishing	2015	978365976175
4.	Mrs.M.R.Indumathi	MYTH IN GIRISH KARNAD's PLAYS Hayavadana and The Fire and The Rain	Lambert Academic publishing	2012	9783845404806
5.	AtharSamina Khan	Expressionism in the plays of Eugene O' Neill	Lambert Academic publishing	2012	9783848412877

- **Number listed in International Database**

S. No	Department	No. of Papers
1	CE	01
2	CSE	78
3	EEE	132
4	ECE	36
5	ME	100
6	MCA	74
7	MBA	77
8	BSH	194

- **Citation Index**

S. No	Department	Citations
1	CE	0
2	CSE	26
3	EEE	0.41 to 1.1
4	ECE	2.53
5	ME	0.15 to 1.1
6	MCA	2.586
7	MBA	0.22 to 1.72
8	BSH	
	Mathematics	3 to 785
	Physics	1-13
	Chemistry	8 to 583

- **SNIP**

S. No	Department	SNIP Value
1	CE	0.197-0.629
2	CSE	0.10to 1.84
3	EEE	0.1 to 0.496
4	ECE	0.060 to 2.7
5	ME	0.1 to 0.49
6	MCA	0.111
7	MBA	NA
8	BSH	
	Mathematics	0.413-1.843
	Physics	0.8597
	Chemistry	0.1 to 2.465



• **SJR**

S. No	Department	SJR Value
1	CE	0.141-0.274
2	CSE	0.38 to 2.73
3	EEE	0.549 to 2.2
4	ECE	0.03 to 3.956
5	ME	0.54 to 2.2
6	MCA	0.0545
7	MBA	NA
8	BSH	
	Mathematics	0.123-1.749
	Physics	0.936
	Chemistry	0.1 to 7.12

• **Impact factor – range/average**

S. No	Department	Range	Average
1	CE	0.563 to 2.0	1.2815
2	CSE	0.25 to 2.91	0.69
3	EEE	0.07 to 3.43	0.03
4	ECE	0.048 to 5.1	0.4077
5	ME	0.07 to 5.7	1.8
6	MCA	0.18 to 6.391	5.456
7	MBA	0.337 to 5.99	3.12
8	BSH (C)	0.3 to 11.4	3.3
9	Mathematics	0.367 to 5.31	5.754
	Physics	0.22 to 11.80	2.33
	Chemistry	0.3 to 11.4	3.3
	Humanities	0.3 to 5	1.5
	English	1 to 5.8	3.9

- h-index

S. No	Department	Name of the faculty	h-index
1.	CE	Dr. M. Chittaranjan	3
2	CSE	Dr. E. Madusudhanareddy	6
		Dr. V. Hanuman Kumar	2
		Dr. K. Venningston	2
		Mr. Kasiviswanath	1
		Mr. MV JagannathaReddy	2
3	EEE	Dr.R.Rajkamal	3
		Dr.K.Ramesh	4
		Dr.Santhosh Kumar	1
		Dr. Rajendra Prasad	2
		Dr.Anbarasan	1
		Dr. C. Kamal Basha	1
		Dr. P. Chandra Babu Naidu	2
		Dr.K.Rajnagam	1
		Dr. A. Sudhakar	2
		Mr. K. Vasu	2
4	ECE	Mr. K. Arul Kumar	1
		Dr.A.R.Reddy	4
		Dr. S. A. K. Jilani	3
		Dr.D.Rajaveerappa	2
		Dr. J. L. Mazher Iqbal	2
		Dr. M.Thamarai	3
		Dr. Gautam Narayan	3
		Dr.Sudhakar T	3
		Dr. S. Javeed Hussain	3
		Dr. G. Hari Krishnan	2
		Dr.Roshan Kumar	0
		Dr. R. Velmani	2
		Mr.M.Karthikeyan	1
Mr.R.Ravindraiah	2		
5	ME	Dr. Prabhakar Sathujoda	8
		Dr. G. Harinath Gowd	4
		Dr. P. Suryanarayana Raju	8
		Dr. C. Yuvaraj	1
		Dr. T. Vishnu vardhan	2
		Dr. John Baruch L	2
		Dr. K.V.P. Chakradhar	5
		Dr.A.Balaraju	2
		Dr. S.Baskaran	2
		Dr.I.Arun	1
		V. Ajay	1
		G. Guru Mahesh	1
		R. Manu Ravuri	1
		U. Naganagaraju	2
6	MCA	Dr.Ganala Santoshi	2
		Dr. E. Madhusudhan Reddy	3

		Dr. S.V.S. Ganga Devi	2
		Dr. N. Naveen Kumar	1
		Dr. M. Jaya kameswaraiiah	1
		Dr. P. Velayutham	2
		Dr. R. Senthil Kumar	1
		Mr. K. Chokkanathan	1
		Mr. K. Chandra Sekhar	1
7	MBA	Dr. CV Krishna	2
		Dr. D.Pradeep Kumar	2
		Dr. C.K. Sahoo	2
		Dr. K.Thulasi Krishna	1
		Dr. K.V.Geetha Devi	1
8.	Chemistry	Dr. Sovan Roy	10
		Dr. B V Raman	6
		Dr. P P George	9
		Dr. Logudurai	10
		Dr. Balaji R	9
		Dr. Arunbabu D	10
		Dr. Chandramohan K	2
		Dr. V V Ramesh	5
		Dr. M. Balaji	4
		Dr. Nasrn Ismail Sheikh	5
		Dr. S. Elamathi	3
		Dr. A. Selvaganapathi	3
		Dr. Seeni Meera K	11
9.	Mathematics	Dr. V. Ramachandra Prasad	18
		Dr. M. Sudhakar Reddy	03
		Dr. N. Nagendra	03
		Dr. R. Saravana	04
		Dr. P. Kalpana	01
		Dr. A. Subba Rao	03
		Dr. P. Devaki	03
		Dr. B. Venkateswarlu	04
		Dr. S. Jeelani Begum	01
		Dr. S. Gouse Mohiddin	02
10.	Physics	Dr. K. Upendra Kumar	13
		Dr. S. Victor Vedanayakam	0
		Dr. Sumit Kumar	8
		Dr. Jagadeesh Babu Bellam	5
		Dr. Virendra Kumar Verma	4
		Dr. K. Kamakshi	4
		Dr. N. Nanda Kumar Reddy	4
		Dr. Harish Sharma Akkera	3
		Dr. G. Gopi Krishna	2
		Dr. M. Chandra Sekhar	6
		Mrs. G. Sowjanya	2



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

Table No: 3.4.4: List of the faculty and number of Ph.D scholars guided

Department	Name of the faculty	Ph.D Scholars guided
Electronics and Communication Engineering	Dr. A.R. Reddy	02
Electronics and Communication Engineering	Dr. D. Rajaveerappa	01
Chemistry	Dr. B. Venkata Raman	02
Management Studies	Dr. D. Pradeep Kumar	03
Civil Engineering	Dr. N. Kumara Swamy	04

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

All the Ph.D theses, research papers and students projects (B.Tech, M.Tech & MBA) are checked with anti-plagiarism software – URKUND before submission to the concerned authorities (University, departments, and publication houses). As per the university norms, similarity index instudent projects and theses should be less than 30%.

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

YES

The Institute has more than 100 doctorates, who have received their Ph.Ds from different universities of India and abroad (USA, Japan, UK, Germany etc) with wide areas of specializations. As such, the institute has provided necessary facilities to take up academic, consultancy and funded projects with interdisciplinary approach. The following are the interdisciplinary research projects in innovative technologies.

Table No: 3.4.6: List of the Interdisciplinary Projects

Projects Sanctioned during 2013-14			
S. No	Names of the PI	Name of the Project	Interdisciplinary departments working together
1	Dr. K. V. V. Raaju, Dept. of MBA	Study on ADHAAR card implementation in Chittoor district	Dept. of MBA and Dept. of CSE &IT
2.	Mr. K. Srinivas, Dept. of MBA	Challengesand opportunities in empowering women of	Dept. of Mathematics and English



		backward classes through SHG'S in Chittoor district in Andhra Pradesh	
3.	Mr. A. Subba Rao, Dept. of Mathematics	Thermal radiation effects on a non-Newtonian oldroyd-b nano fluid from a stretching sheet in a non-darcy porous medium	Dept. of Mechanical Engineering
4.	Mrs. Perepi Rajarajeswari, Dept. of CSE	Development of student educational learning system based on mobile cloud computing	Dept. of Electronics and Communication Engineering
5.	Mr. Y C A Padmanabha Reddy, Dept. of CSE	Semi-supervised learning and its applications for image and document categorization	Dept. of Information Technology
6.	Mr. M.V. Jagannatha Reddy, Dept. of CSE	Expert system to predict the type of fever using data mining techniques on medical databases	Dept. of Computer Science & Engineering
7.	Mrs.M. Parvathi, Dept. of English	Wise usage of technology in English language class room by professional students-a study	Dept. of Computer Science & Engineering
8.	Mrs. D. Athar Samina Khan, Dept. of English	Rendition of English language in the classes of higher education: A study	Dept. of MBA, MCA
9.	Mrs.K. Latha, Dept. of English	English as a tool for enhancing employability for ability for engineering graduates	Dept. of Computer Science & Engineering
Minor Projects sanctioned during 2014-15			
10.	Mr Sudhir B, Dept. of MCA	Decision support system for agricultural land for crops in Kadapa and chitter district	Dept. of Master BA
11.	Mr Gunasekhar Reddy M, Dept. of ME	Design and development of hybrid vehicle for physically challenged persons	Dept. of Electrical and Electronics Engineering
12.	Mr Ismail. S, Dept. of MBA	A Study on career planning absurd among students and its impact on employability	Students of all departments and particular with MCA
Major projects sanctioned by UGC, New Delhi during 2014-15			
13.	Dr.P.Paulose George, Dept. of Chemistry	Synthesis of mesostructured materials by using novel sugar based surfactants	Dept. of Physics and other department offering Nanotechnology
14.	Dr. J.L.Mazher Iqbal, Dept. of ECE	3DIntelligent information system for identifying suspicious activity	Dept. of Computer Science & Engineering; Dept. of Mathematics



DST -Women Scientist (WOS-A) sanctioned by DST, New Delhi during 2014-15			
15.	Dr. S. Jeelani Begum, Women Scientist(WOS-A) , Dept. of Mathematics	Some studies on domination parameters of Cayley Graphs	Dept. of Computer Science & Engineering
16.	Mrs. K. Madhavi, Research Scholar & Women Scientist (WOS-A) , Dept. of Mathematics	Computational analysis of boundary layer of non-newtonian fluids in porous media	Dept. of Mechanical Engineering and Dept. of Computer Science and Engineering.
DST(Fast Track Young Scientist) Schemes sanctioned by SERB, DST, New Delhi during 2014-15			
17.	Dr.G.Harinath Gowd, Dept. of ME	Experimental investigations and hybrid approach for modeling and multi objective optimization of pulsed laser milling of micro-channels	Dept. of Mathematics and Dept. of Computer Science and Engineering
18.	Dr.P.Suryanarayana Raju, Dept. of ME	Simulation and analysis of fire accidents in passenger train cars	Dept. of Computer Science and Engineering
19.	Dr. S.A.K. Jeelani	Brain Test Adequacy Systems for Young India	Dept. of Computer Science & Engineering
20.	Dr. I. Arun, Dept. of ME	Investigation and characterization of Electrical Discharge coated (EDC) alloys for mitigation of biological fouling on maritime structures	Dept. of Electrical and Electronics Engineering & Dept. of of Computer Science & Engineering

3.4.7 Mention the research awards instituted by the College.

There are two different awards instituted for faculty to appreciate the teaching faculty during the annual day celebrations every year based on their performance in the academics and Research.

1. Best Teacher award
2. Best Researcher Award

The following faculty got awarded with above for their achievement during 2014-15

S. No.	Name of the Faculty & Designation	Dept.	Award
1	Dr. Virendra Kumar Verma, Assistant Professor	Physics	Best Teacher award
2.	Dr. V. Ramachandra Prasad, Professor	Mathematics	Best Researcher award
3	Dr. Suryanarayana Raju Pakalapati	Mechanical Engineering	Beast Research Award

3.4.8 Provide details of

***Research awards received by the faculty:**

S. No	Department	Name of the faculty	Research Award	Name of the Organization
1	Mechanical Engineering	Dr. C. Yuvaraj, Principal	“Best Educationist Award” (2011)	International Institute of Education and Management, New Delhi
			“Rashtriya Vidya Gaurav Gold Medal Award” (2011)	Indian Solidarity Council, New Delhi
2.	Electronics and Communication Engineering	Dr.A.R.Reddy	CDIL award	IETE, India
3.		Dr. B. Venkata Raman	UGC – Research Award 2008	University Grants Commission, New Delhi
			Young Scientist Award	SBC(I), Bangalore
			Junior Research Fellowship	University Grants Commission, New Delhi
			Senior Research Fellowship	University Grants Commission, New Delhi
			GATE – 93	IIT, Mubai
			SLET-1998	APPSC, Hyderabad
		Dr. P. P. George	Dr. K. Suryanarayana Murthy Memorial Prize	S. V. University, Tirupati, A.P., India.
			Junior Research Fellowship	Department of Science and Technology, New Delhi, India.
		Dr. S. Elamathi	Senior Research Fellowship	Department of Science and Technology, New Delhi, India.
			CSIR – SRF	CSIR-NewDelhi
		Dr. K. Mohan Kumar	Dr. Upadhyula.V.Rao Memorial award	The Indian chemical Society
			Research Award	VIT University, Vellore
		Dr. Sovan Roy	UGC-NET JRF	CSIR and UGC India
			CSIR-NET	CSIR and UGC India
			Post-Doctoral Researcher	Florida State University
		Dr. EVV Ramesh	GATE	GATE
CSIR-JRF	CSIR and UGC India			
CSIR-SRF	CSIR and UGC India			
Max-Planck fellowship	Max-Planck Foundation			



Chemistry		Eli Lilly outstanding thesis awards 2nd prize for the Ph. D. thesis	Eli Lilly Foundation
	Dr R. Logudurai	JST Graduate Research Student Fellowship	Core Research for Evolutional Science and Technology (CREST) supported by Japan Science and Technology Agency (JST)
		2004-COE (Center of Excellence) MEXT (Ministry of	Fellowship Education, Culture, Sports, Science and Technology, Japan).
	Dr. D. Arunbabu	CSIR-UGC-JRF-NET	CSIR and UGC India
		UGC-SRF	CSIR and UGC India
		Postdoctoral Fellowship	University of Waterloo, Canada.
		Postdoctoral Fellowship	McGill University, Montreal, Canada.
		Postdoctoral Fellowship	Concordia University (KRICT) Montreal, Canada
	Dr. M. Balaji	Postdoctoral Fellowship from Nuclear Science Research Institute.	Pusan National University, South Korea.
	Dr. Nasrin I. Shaik	VeLiCa Award (Postdoctoral fellowship)	ISTM-CNR, Italy
		CINMPIS Scholarship, Ministry of Italy	University of Milano-Bicocca-Italy
		Indo-Italian (MIUR) fellowship, Ministry of Italy-India	National Chemical Laboratory (NCL-PUNE) + University of Milano-Bicocca-Italy
		Young Researcher fellowship	University of Milano-Bicocca-Italy
	Dr. Balaji. R	GATE 2004	IIT Delhi
		Postdoctoral Fellowship	Jimma University, Ethiopia
		Postdoctoral Fellowship	Boise State University, ID, USA
		Postdoctoral Fellowship	Indian Institute of Technology Bombay
		Postdoctoral Fellowship	California State University, CA, USA
	Dr. A. Selvaganapathi	SRF	DST
		Postdoctoral Fellowship	Department of Chemistry, Hanyang University, Seoul, South Korea.
Postdoctoral Fellowship		Department of Chemical Engineering, Ben-	



				Gurion University of the Negev, Beer-Sheva, Israel.
			Postdoctoral Fellowship	Foam material research Team, Korea Institute of Footwear and Leather Technology (KIFLT), Busan, South Korea.
		Dr. K. Seeni Meera	DLR-DAAD Post-doctoral Fellowship	DAAD, Germany
			CSIR-Senior Research Fellowship	CSIR, New Delhi
			Summer Research Fellowship	IASc, Bangalore
			University Rank	Alagappa University, Karaikudi
4	Civil Engineering	Dr. N. Kumaraswamy, Dean & Professor	Brij Mohan Lal Award (2010)	Institution of Engineers India
			Sir Arthur Cotton Award (2008)	Institution of Engineers India
5	Physics	Dr. M. Chandra Sekhar	Achievement of merit award “Best Academic Performance in M. Sc., during the year 2004-2006	SVU PG Center, Kavali, A.P., India, 2005
		Dr. Virendra Kumar Verma	Ministry of Human resource Development fellowship for 2 years Monbukagakusho Fellowship for 3 years	MHRD, Govt. of India Ministry of Education, Culture, Sports, Science and Technology, Govt. of Japan
		Dr. Sumit Kumar	Research Professor Fellowship from Oct 2012- April 2014.	Yonsei, South Korlia
		Dr.B. JagadeeshBabu	Achievement of Gold Medal at 2006 “Best Academic Performance in M. Sc., during the year 2004-2006”. CONACyT Scholarship to pursue Ph.D Program during 2009-2012. Beca-Mixta Scholarship	VIT, Vellore, T.N, India, Mexico Government CONACyT-Mexico Mexico Government Material Summit (Student Congress),



			internship Post-doctoral fellowship during November 2013 to December 2014.	Washington D.C., University of Maine and CNRS
		Dr. Harish Sharma Akkera	Ministry of Human Resource Development Fellowship for two years	MHRD, Govt. of India
		Dr. K. Upendra	Recognised as National Researcher Level I (2009-11).	<i>System of National Investigators</i> affiliated with CONACyT, MEXICO
		Dr. Kamakshi	Young faculty Award Post-Doctoral Fellowship. 2013 to Jun. 2015. Senior Research Fellowship & Junior Research Fellowship Junior Research Fellowship from	Venus International Foundation for contribution and achievement in the field of Photonics & Plasmonics (July 9th , 2016). Fundao para a Ciencia e a Tecnologia(FCT), Ministerio da Ciencia, Portugal. IITR, Ministry of Human Resources & Development, Govt. of India, from Jan. 2010 to Dec. 2012 Department of Science & Technology (DST), Govt. of India, from June. 2007 to Dec. 2007
6.	MBA	Dr. C. V. Krishna	Outstanding Research Paper Award	ICBM-SBE, Hyderabad

- Recognition received by the faculty from reputed professional bodies and agencies

Department of Computer Science Engineering

S.No	Name of Faculty	Designation	Professional Society
1.	Dr. T. Ravi	Professor	IAENG
2.	Dr. E. Madhusudhana Reddy	Professor	ISTE
			ISET



			CSRI
			IACSIT
			IAENG
3.	Dr. M. Sreedevi	Assoc. Professor	MISTE
			MCSI
			IACSIT
			IAENG
4.	Dr. V. Hanuman Kumar	Assoc. Professor	IAENG
			IACSIT
			IEEE
5.	Dr. Ferdin Joe John Joseph	Assoc. Professor	IAENG
6.	Dr. Veningston .K.	Assoc. Professor	IBS
7.	Mr. M.V. Jagannatha Reddy	Asst. Professor	MISTE
			CSI
			IACSIT
			IAENG
			VIP-ICMLC
8.	Mr. G. Sreedhar	Asst. Professor	MISTE
9.	Mrs. A. Komala	Asst. Professor	IEEE-CS
			IEEE-CIS
			ISTE
10.	Mrs. P. Rajarajeswari	Asst. Professor	IAENG
			ACEEE
11.	Mr. K. R. K. Satheesh	Asst. Professor	MISTE
12.	Mr. Surya Bahadur	Asst. Professor	MISTE
13.	Mr. Wilson Thomas	Asst. Professor	ISTE
			IACSIT
			IAENG
14.	Mr. S. Vikram Phaneendra	Asst. Professor	IAENG
			IACSIT
15.	Mr. S.M. FAROOQ	Asst. Professor	MISTE
			IEI
			IAENG
			IEEE



16.	Mr. N. Sudhakar Yadav	Asst. Professor	ISTE
			IACSIT
17.	Mr. D. Kasi viswanath	Asst. Professor	IAENG
18.	YCA Padmanabha reddy	Asst. Professor	IEEE
			CSI
19.	Mr. M. Srujan Kumar Reddy	Asst. Professor	IEEE
			IAENG
20.	M. Prabhakar	Asst. Professor	IAENG
21	Mr. M. Kiran Kumar	Asst. Professor	IAENG
			IACSIT
22	R. Sathiyaraj	Asst. Professor	IAENG
			IACSIT
23	Mr. S. H. Shabbeer Basha	Teaching Assistant	IACSIT
			IAENG
24	Mr. C. Narasimha	Teaching Assistant	IAENG
			IACSIT

Department of Mathematics

	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr.S.GouseMohiddin	Life Member	ISTE
		Life Member	ISCA
		Life Member	ISTAM
		Life Member	IMS
		Life Member	APSMS
		Life Member	AMTI
		Life Member	ADMA
		Life Member	ISIAM
2	Dr.S.Jeelani Begum	Life Member	ADMA
		Life Member	APSMS
3	Dr. A. SubbaRao	Life Member	ISTE
		Life Member	APSMS
		Life Member	IAENG
4	Dr.P.Ramesh Reddy	Life Member	APSMS
		Life Member	IAENG
5	Dr.M.Sudhakar Reddy	Life Member	IAENG
6	Dr.N.Nagendra	Life Member	IAENG



		Life Member	APSMS
7	Dr.K.V.N.Murthy	Life Member	IAENG
8	Dr.P.Kalpana	Life Member	IAENG
		Life Member	ISPS
9	Dr. V. Ramachandra Prasad	Life Member	ISTE
		Life Member	ISC
		Life Member	ISTAM
10	Dr. P. Devaki	Life Member	IAENG
		Life Member	UAMAE
11	Dr. B. Venkateswarlu	Life Member	APSMS
12	Dr. R. Saravana	Life Member	ISTE
		Life Member	APSMS
		Life Member	IAENG

Department of Physics

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. S.Victor Vedenayakam	Life Member	ISTE
2	Dr.Virendra Kumar Verma	Life Member	ISTE
3	Dr.B.Jagadeesh Babu	Life Member	ISTE
4	Dr.A.Harish V	Life Member	ISTE
5	Dr.N.Nanda Kumar Reddy	Life Member	ISTE

Department of Chemistry

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1.	Dr. B. Venkata Raman	Life Member	SBC(I)
		Life Member	AMI
		Life Member	SCRDMP
		Life Member	IIS

Department of Civil Engineering

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. N. Kumaraswamy	Life member	IE(I), IST, IWRS, IWWA, M. Soclean, IPHEA

Department of Electrical & Electronics Engineering

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. K.V.R.B. Prasad	Life Member	ISTE
2	Dr. B. Rama Kumar	Life Member	ISTE
3	Dr. C. Kamal Basha	Life Member	ISTE
4	Dr. K. Ramesh	Life Member	ISTE
5	Dr.A.Anabarasan	Life Member	ISTE
6	Dr.K. Rajangam	Life Member	ISTE
7	Mr. D. ChinnaKullay Reddy	Life Member	ISTE
8	Mr. B. Srinivasa Raju	Life Member	ISTE
9	Mr. G. Ravi Prakash	Life Member	IEEE
10	Dr.R.Rajkamal	Life Member	ISTE
		Life Member	IACSIT
11	Dr.Santhosh Kumar singh	Life Member	IET
		Life Member	IEEE

Department of Electronics and Communication Engineering

S.No	Name	Nature of the membership	Membership in professional societies
1.	Dr.A.R.Reddy	Life Member	IETE, CSI
2.	Dr. S. A. K. Jilani	Life Member	ISTE
3.	Dr.D.Rajaveerappa	Life Member	ISTE, IETE, IEEE, IE
4.	Dr. J. L. Mazher Iqbal	Life Member	IACSIT, IAENG
5.	<u>Dr.S.Rajasekaran</u>	Life Member	ISTE
6.	<u>Dr. G. Hari Krishnan</u>	Life Member	ISA, UACEE, GBIS
7.	Dr.Sudhakar T	Member	ISMARM
8.	Dr.Sathees Kumar Nataraj	Life Member	IEEE (Student membership)
9.	Mr.M.Karthikeyan	Life Member	IAENG
10.	Mr. B. Sukumar	Life Member	ISTE, IAENG
11.	Mr. V. Sai Kumar	Life Member	ISTE, IAENG
12.	Mr. M. Sreenath Reddy	Life Member	GIE, IAENG
13.	Mr.Shaik Khadarvali	Life Member	IAETSD
14.	Mr. S. Arun	Life Member	ISTE
15.	Ms. C. K. Hemantha	Life Member	ISTE



	Lakshmi		
16.	Mr. R. Ravindraiah	Life Member	IACSIT, IAENG
16.	Mr. D. Raghuram	Life Member	IAENG, IRED

Department of Management Studies

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. D. Pradeep Kumar	Life Member	AMA, ISTE, BMA, MTCG
2	Dr. ChandrakanthSahoo	Life Member	ISDS
3	Dr. N. Subrahmanyam	Life Member	IAI
4	Dr. Mohd. Mujahed Ali	Life Member	SEBI, ASP
5	Mr. Seshadri .N	Life Member	ISTE
6	Dr. N. Gangisetty	Life Member	ISTE
7	Dr. C.V. Krishna	Life Member	<i>MTC-G,, EMRBI,</i>

Department of Master of Computer Applications

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. S.V.S .Ganga Devi	LM 29192	ISTE
2	Mr.A.Subramaneswara Rao	LM 70313	ISTE
3	K.Chokkanathan	80349237 6574381	IACSIT CSTA
4	K.Chandrashekar	80347123 133496 6586223	IACSIT IAENG CSTA
5	Mr .A.Althaf Ali	LM 70312	ISTE
6	Dr. E.Madhusudhana Reddy	LM 54761	ISTE
		FISET- 08200306	ISET
		MCRSI-L/495	CRSI
		SMIACSIT- 80343518	IACSIT
		MIAENG - 118079	IAENG

Department of Mechanical Engineering

S.No	Name of the Faculty	Nature of the Membership	Professional Body
1	Dr. C. Yuvaraj	Best Educationist Award	International Institute of Education and Management
2	Dr. C. Yuvaraj	Rashtriya Vidya Gaurav Gold Medal Award	Indian Solidarity Council, New Delhi

3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

Suitable incentives are to be given for research contribution.

3.5 CONSULTANCY

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

- The faculty members involved in consultancy projects are given 70% of the total consultancy amount as incentive and remaining 30% is retained by the institute.
- Dr. Prabhakar Sathujoda, Professor, Dept. of Mechanical Engineering has a consultancy project entitled “**Finite Element analysis of fire rated Gas turbine enclosure Doors**” with AAF Ltd, Engineering Division, Bassington Lane, Cramlington, Newcastle – NE23 8AF, UK, [Project Ref. MF 14032], worth of **£ 9042 GBP** (Indian Rupees **7,68,570/-**).
- MITS HRC has taken consultancy project worth Rs.8,00,000/- for providing human resources to Holy Mary Institute of Technology, Hyderabad.
- Tech meet Visakhapatnam is sanctioned consultancy project of Rs.2,50,000 to Mr. Siva Krishna, Research Officer for up gradation of Automatic Identification System (AIS) in Indian Navy ships on 04-01-2016.
- If the faculty members utilize the institution facilities such as laboratories, computing facilities, drafting and others in consultancy works, 50% of total consultancy amount is given to the concerned faculty members and the remaining is retained by the institute.
- The institute Consultancy Cell will take up the following consultancy services
 - i. Surveying of land and layout of the plots using the total station.
 - ii. Design of various structures and building services.
 - iii. Testing of materials, soil and water samples

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

The Institute Industry Interaction Cell (IIIC) arranges

- Projects and internships in various industries and consultancies



- Industrial visits to the students
- Placements to the students
- Interaction between industrial experts and academicians
- Collaborative activities such as training, expert lectures, exchanging programs and entrepreneurships.

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

- Institute expert services for consultancy are publicized through the institute website and brochure, and also during industry visits.
- Departments of Civil Engineering and Mechanical Engineering are involved in the consultancy and testing services.

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

The Institute encourages the faculty members to utilize their expertise for consultancy services by providing

- Monetary benefits (70% consultancy amount for the staff)
- Reduced teaching workload
- Transportation facilities
- Incentives for high performance

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

Institute Consultancy Cell was established in the year 2015. The following consultancy projects are taken-up

- MITS HRC has taken consultancy project worth Rs.8,00,000/- for providing human resources to Holy Mary Institute of Technology, Hyderabad.
- Tech meet Visakhapatnam is sanctioned consultancy project of Rs.2,50,000 to Mr. Siva Krishna, Research Officer for up gradation of Automatic Identification System (AIS) in Indian Navy ships on 04-01-2016.

3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

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

The institute has a very active NSS UNIT run by the Program Officer with the help of departmental coordinators and student volunteers, under the guidance of the Principal. All

the freshers are given orientation towards NSS, its relevance to the society and students' responsibility towards the society.

NSS is also introduced as an audit course in the UG programmes.

The social outreach programs conducted by the NSS unit are : tree plantation, construction/repairs of roads, providing drinking water facility, desalting of tanks, health checkup programs, water conservation programs, AIDS awareness program, rallies/processions, blood donation/blood grouping, animal health checkup, literacy programs, pulse polio immunization, youth leadership training, youth festivals, celebrating the important days/events & other National level programs.

The list of activities organized by NSS unit are given in the table 3.6.1

Table No: 3.6.1: List of activities organized by NSS unit during the last four years

S. No	Date	Name of the activity for event	Place	No. of participants
1.	5/11/2016	Rashtriya Ekta Saptha	Pasted posters All the college offices	50 students with NSS program officers
2.	31 st October to 5 th November	Central Vigilance Awareness Week Integrity Pledge	Thasildar Office Kurabalakota	Thasildhar Muniratnam, MDO, Manager Indian Bank &43 students with NSS program officers attended the pledge
3.	31/10/2016	Rashtriya Ekta Diwas	Rashtriya Ekta Diwas Pledge	25 students and AO admissions
4	15/10/2016	Global Hand Washing Day	Kurabalakota village	46 volunteers & Sadasiva Prasad Vice Principal Admissions attended as guest
2	15/10/2016	APJ Abdul Kalam Birthday Celebrations	MITS college	100 students participated
3	5 th to 7 th October 2016	Meditation & Relaxation Techniques	MITS college	100 students & staff attended
4	02/10/2016	Gandhi Jayanti	MITS college	103 students attended
5	29/09/2016	Blood Donation Program	MITS college	181 units donated
6	28/09/2016	Distribution of Dengue preventive Homeo medicines	Madanapalle, Kurabalakota,	100 volunteers participated and



			Angallu	100000 medicines distributed
7	24/09/2016	NSS day	MITS college	250 students attended
8	23/09/2016	Awareness on Eradication of Menace of Mosquitoes rally	Angallu	300 students participated
9	21/09/2016	Tribute to 17 soldiers and World peace day rally	Angallu	300+ students participated
10	18/09/2016	Plantation Program	Angallu	50 plants distributed 50 students participated
11	8/09/2016	World literacy Day	Zillaparishad School Angallu	87 students participated
12	5/09/2016	Teachers Day	MITS college	40 students, staff, nss program officer attended
13	15/08/2016	Independence Day & Freedom Rally	MITS college	300 students attended
14	12/09/2016 to 23-08-2016	Krishna Pushkaralu	MITS college	100 students participated and 20 students got prizes
15	09/08/2016	Quit India Day 1942	MITS college	40 students attended and 20 students got prizes
16	06/08/2016	Smart Pulse Survey	MITS college	20 students benefited 400 household data collected
17	29/07/2016	Vanam Manam Planitation Program	MITS college	50 students attended and planted 10 plants
18	12 th July 2016	Plantation program	MITS college	50 students attended and planted 10 plants
19	21 st June 2016	International Yoga Day	MITS college	50 students participated
20	22/03/2016	International Water day	MITS college	50 students participated
21	17/03/2016	Blood Donation Program	MITS college	200 units of blood donated
22	28/02/2016	National Science Day	MITS college	60 students attended
23	12/01/2016	Celebrations of 153 Birth Anniversary of Sh. Swami Vivekananda	MITS college	250 students attended
24	14/11/2015	Swachha Bharat Anniversary	MITS College & Angallu	100 students attended
25	14/11/2015	Cash donation for NFCH	MITS	618 donors



		(Helping the Street Children)		donated 22,500
26	31/10/2015	Sardar Vallabhai Patel Birthday Celebrations	MITS	40 students
27	29/10/15	Mega Blood Donation Camp	MITS	218+ students & Staff
28	14/10/15	Swachh Bharat Anniversary Celebrations	MITS & Angallu	41 students
29	2/10/15	Swachh Andhra & Swachh Bharat	MITS	74 students
30	24/09/2015	NSS Foundation Day	MITS	123 students
31	21/09/15	Peace Rally	MITS to Angallu	51 students
32	14/09/15	World First Aid Day	MITS	60 students
33	10/09/15	World Anti Suicide Day	MITS	300 students
34	09/09/15 & 10/09/15	Two Days Self Defense Training For Girls	MITS	400 girls participated
35	08/09/15	World Literacy Day	Zilla Parishad High School Angallu	500 students
36	06/08/15	Mega Medical Health Camp	Bharat kalyana Mantapam, Angallu	714, OP
37	13/08/15	Poetry Competition Conducted on ABJdul Kalam	MITS & JNTU Anantapur	10 participants
38	15/08/15	Independence Day Celebrations 2015	MITS	All the students & NSS volunteers participated
39	02/06/15	New AP State capital Formation Day NAVA NIRMANA DEEKSHA	MITS to Angallu	400 students
40	14/07/15	Godavari Pushkaram 2015 Competitions	MITS	10
List of activities organized by NSS unit during 2014 to 2015				
41	20/10/14	Collecting Donations for the victims of HUD HUD	MITS	100 students collected 1,20,670
42	2/10/14	Swach Bharath Mission	MITS	10 staff and 45 Students attended
43	18/09/14	Blood Donating Camp	MITS	358 members
List of activities organized by NSS unit during 2013 to 2014				
44	07/04/14	Campaign against Corruption	MITS	30 students & 5 staff
45	25/01/14	National Voters Celebrations	MITS	300 staff+ 100 students
46	01/01/14	Voter Enrolment	Madanpalle	100 students participated
47	22/12/2013	Voter Enrolment	MITS	100 students
48	1/12/2013	Aids Day Rally	Madanpalle	100 students and 6 Coordinators

49	30th& 31st Jan 2014	Pulse Polio Awareness	Angallu	100
List of activities organized by NSS unit during 2012 to 2013				
50	15/05/2013 to 19/05/2013	NSS Special Camp (Thettu Road to Galetivaripalle Village)	Thettu Road to Galetivaripalle Village)	60
51	24/09/2012	NSS Day Celebration	MITs	100 students & 100 blood donors
52	25/09/12	Plantation at Kurbalakota	Kurbalakota	100 students and 100 Plants planted



Blood Donation camp

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

- The institute is helping the ZP High School, Madanapalle in digitalizing their records and creating alumni website and network.
- The institute has adopted a village ‘ANGALLU’ as part of ISR and has been organizing several programs.
- NSS unit organized medical camps, literacy programs, blood donation camps, Swachh Bharat and Swachh Andhra which helps in the holistic development of students and sustained community development
- NSS volunteers were engaged by the revenue department to collect photos and other details of the voters in Madanapalle during year 2014.
- The institute takes-up various social activities in co-ordination with Zilla Parishad High School, Bhoga Parvatamma Blood Bank, Kadapa, Revenue Department, Madanapalle, National Foundation for Communal Harmony, New Delhi and Rotary



Club, Madanapalle

- The institute is conducting placement drives for the students of degree colleges in surrounding areas.
- The institute donated utensils worth Rs. 2 lakhs to TTD, Tirumala.
- The institute donated one lakh rupees to Dharmasthala for providing free medical facilities
- Students of MBA programme are required to visit villages to identify their problems in a course called rural immersion.

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

- The institute encourages students and staff in serving the society.
- Distribution of books, furniture, medical checkups and special classes were arranged to the nearby government schools.
- Trunk boxes are donated to social welfare hostels in Madanapalle.
- Students and staff donated Rs.22,500/- to the National Foundation for Communal Harmony for upliftment of victims of terrorist attacks and communal clashes.
- The institute organizes health programs like medical camps in alliance with government hospital, Madanapalle.
- The rural unemployed youth in the surrounding villages are imparted with required technical skills.
- Food and fruits are donated to old age home / orphanage / mentally challenged childrens' school are donated.
- Functioning NSS wing in the campus.

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

- Socio economic survey was conducted in various villages before adopting Angallu for overall development. NSS unit organizes various constructive activities to make Angallu as a model village.
- NSS volunteers were actively involved in voter enrolment in the villages of Angallu, Kurabalakota, and surrounding villages from 19-12-2013 to 20-12-2013.
- Coordinated with the collector office in the enrolment of voters on 01/01/2014
- One day Voter enrolment was organized in the institute on 21-12-2013.
- NSS unit adopted government Z. P. High School in Kurabalakota village and donated furniture, books and other required resources to the school students on 20-06-2012
- The Institute donated sports uniform and the kits to the Hockey players of Madanapalle town on 13/12/2012.



- Students of the institute visited Chaitanya Orphanage on 21/11/2015 and donated food to the orphans
- Students of the institute visited “Kuraparthi Sai Chaitanya Sravanthi” orphanage at Madanapalle on 08-11-2015 and donated food to the orphans.
- Diabetes Diagnostic Camp was organized in Angallu and its surrounding villages in 2015.

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

The extension activities/community development work carried out by the college have received wide publicity in print and electronic media. Authorities and officials at the university and state levels have graced these activities and have lauded the initiatives taken by the college.

Appreciation letter received from the national foundation for communal harmony for the donation Rs.22,500/- by the students and faculty.

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

The Academic learning experience, Values and Skills aim to inculcate the following aspects in day-to-day life of the students

1. Understanding the rationale and application of scientific methods to behavior, cognition, and emotions.
2. Applying psychological principles to personal, social, and organizational issues
3. Making student self-disciplined
4. Invoking Social responsibility and creating good environment
5. Inculcating leadership skills and teamwork.
6. Imbibing values and morals and enhancing integrity and interaction with the society

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

- The institute is functioning under auspices of non-profit society namely RatakondaRangareddy Educational Academy which is dedicated to impart high quality of technical education and service to the community.
- NSS unit conducts various awareness programmes on the impact of consuming alcohol, chewing Tobacco, Gutka, AIDS, addiction to drugs etc.
- Health camps are organized in surrounding villages with the help of NSS volunteers and institute medical officer.



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

- Principal office and NSS cell have taken initiation to motivate the students towards the social service by conducting meetings and issuing circulars from time to time.
- The calendar for social service activities is prepared and made available in the institute website.
- Senior faculty members motivate the students on ethical values and social services.
- NSS is included in the curriculum as an audit course.

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

The Institute has good relationships with the following institutions to conduct various outreach and extension activities

- Zilla Parishad High School, Angallu, Kurabalakota Mandal –
 - organized International Literacy Day
 - Saving awareness programme conducted to 9th and 10th class students sponsored by SEBI and MITS
- SVR Housing Bangalore / Organized blood donation camp and distributed fruits, juice, biscuits and certificate files to the donors.
- Panchayat Office, Angallu –
 - organized Swachh Bharath anniversary celebrations and pasted the posters of Swachh Bharath
 - organized Mega Medical Health Camp with all laboratory tests
- Sub-collector office, Madanapalle / Mallikarjuna, Sub-collector, Madanapalle came as a Chief Guest to Mega Medical Health Camp
- Mandal Revenue Office, Kurabalakota /MRO Officer came as a Chief Guest to Mega Medical health camp
- Jai Bharat Kalyana Mantapam, Angallu / Mega Medical health camp organized with free of rent
- Government Hospital, Madanapalle / Dr. Mitra, DM&HO participated in AIDS Day, awareness of Pulse polio, Blood donation camps, Indian Red Cross programmes.

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.

- Appreciation received from Bhoga Parvatamma Blood Bank, Kadapa for the highest blood donors in a single day.
- Appreciation received from Zilla Parishad High School, Angallu for efforts in improving the literacy in villages namely Angallu, Kurabalakota and Thettu



- Appreciation letter received from National Foundation For Communal Harmony for the donation of by the students and faculty members.

3.7 COLLABORATION

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

The collaboration with BITS Pilani, Hyderabad has given special identity to the college. The collaboration with BITS has facilitated the college to adopt the course pattern and curriculum with necessary modifications to suite to the requirement. The faculties of the college are given Faculty Development Programs (FDPs) on courses identified by the college and on Pedagogy from time to time.

The college introduced MOOCs as mandatory to the students ever since it has been given autonomous status by UGC. The college collaborated with National Programme Technology Enabled Learning (NPTEL), Indian Institute of Technology Madras (IITM) as Local Chapter has created diversity in its activity. This collaboration benefitted the college by getting all Courses Material, YouTube Hits, Videos, Text Materials developed by NPTEL. The college is extensively using NPTEL online open courses for certification as MOOCs apart from EDX, Coursera, Udacity etc.

The college also collaborated with SAP University Alliance (SAP UA) and International Institute of Business Analysis (IIBA) for free access of course material which has created visibility in the public as well as in the college. SAP University Alliance gives the students and faculty of the college to access to SAP Learning Hub, an academic edition that functions as teaching learning maters for teaching SAP related skills and consists of two main areas. These are “**The Learning Content Area**” where one gets access to the available learning materials and “**The Learning Room Area**” where one finds information about upcoming train-the-trainer sessions or can download free software. Apart from this the SAP UA provides the college to download **Materials and Software** by its Faculty only. These materials and softwares are relating to

- a. Introduction to Customer Relationship Management (CRM) in the Cloud using Cloud for Custome,
- b. Introduction to Business Analytic using SAP Lumira Cloud,
- c. Introduction to Human Capital Management using Success Factors, Version 2.0,
- d. Introduction to Next Generation Business Intelligence with Automated Analytics Mode in SAP Predictive Analytics

The institute's collaboration with other agencies has given the following results:

- Collaboration with UGC, DST, ISRO and ECIL resulted in receiving funded projects and B. Tech and M. Tech final year projects.
- Collaboration with IIT, Hyderabad and BITS Pilani helps in curriculum development, training of the faculty and exchange of the resources.
- Collaboration with QEEE and IUCEE helps in Faculty Development Programmes and online expert lectures.
- Collaboration with SAP helped the institute to expose the students to SAP ERP modules
- Collaboration with ECIL, CITD, NSIC supported the students to do project works
- NSE gave an opportunity to offer certificate course to students
- Collaboration with CII helped the institute to depute faculty to industry visits and training programmes

3.7.2 Mention specific examples of, how these linkages promote

The institute's collaboration with the above industries and higher learning institutions has helped in enhancing the quality of education, curriculum development, internships, placements, and exchange of resources.

➤ **Curriculum development**

BoS of each department has an industrial expert and an eminent professor from higher learning institutions to develop industry-oriented curriculum.

The expert services of BITS Pilani and IIT, Hyderabad and eminent industrial experts from ECIL, Amararaja Batteries, NAL etc., are utilized in the curriculum development and planning research activities.

➤ **Internship, On-the-job training**

Collaboration with various industries has helped in providing internships, doing final year projects and getting exposure to the industrial environment. This resulted in substantial improvement in the quality of projects as well as they get exposed to the updated technologies. Internships in BARC, Berger paints, ECIL, Reliance Tele Communications, LIC, L&T InfoTech, Natco Pharma etc., are arranged every year.

➤ **Faculty exchange and development**

Formal Faculty Exchange Programmes are not yet finalized. However, MITS has collaboration with IIT Hyderabad and BITS Pilani Hyderabad for exchange of resources and curriculum development. Nearly 120 faculty members are trained at BITS, Hyderabad in curriculum development and innovative teaching and learning process. About 20% of faculty of MITS goes to other institutions and industries to give expert lectures on various aspects including OBE, research projects on emerging areas.

➤ **Research, Publication**

Nine departments are recognized as Research Centers by JNTUA, Anantapuram. Faculty members and research scholars jointly publish the papers with industrial experts in reputed journals.

➤ **Consultancy, Extension**

The Consultancy Cell has established recently. However, Incubation Center and Entrepreneur Cell are functioning with collaboration with industrial experts to identify the talented students and faculty members to promote the, entrepreneur skills and startups.

Dr. Prabhakar Sathujoda, Professor, Dept. of Mechanical Engineering has a consultancy project from AAF Ltd, Engineering Division, Bassington Lane, Cramlington, Newcastle – NE23 8AF, UK, [Project Ref. MF 14032], worth of **£ 9042 GBP** (Indian Rupees **7,68,570/-**).

MITS HRC has taken consultancy project worth Rs.8,00,000/- for providing human resources to Holy Mary Institute of Technology, Hyderabad. Tech meet Visakhapatnam is sanctioned consultancy project of Rs.2,50,000 to Mr. Siva Krishna, Research Officer for up gradation of Automatic Identification System (AIS) in Indian Navy ships on 04-01-2016.

➤ **Student placement**

Placements benefits with collaboration of industry have not yet reached the expectation. However, MoUs with industries for placements and training are under progress.

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

Yes, MITS has MoUs with reputed industries and institutions of national and international. Annapurna Bhaskary Group of Industries, Hyderabad. Central Institute of Tool Design, Hyderabad, National Small Industries Corporation, Hyderabad, EDS Technologies (P) Ltd, Bangalore, Revolve Engineer (P) Ltd, Hyderabad Electronics Corporation of India Ltd-EIIT, Bangalore and National Reputed Institutions like IITs, NITs, & BITS Pilani – Hyderabad Campus & others are some of the industry MoUs.

The senior executives and engineers of these companies have interacted with students and faculty on many occasions. These companies have provided mini projects, entrepreneurships and main projects to the students. In order to enhance the quality of the students the company executives deliver guest lectures on latest topics.

Faculty Development Programmes are organized to faculty members by industry to upgrade the knowledge on current trends and developments.

Table 3.7.3: List of MoUs with industries and organizations

S.No	Name of the Industry/Institute/Organization	Title of the MoU	Validity and dates
1	Annapurna Electronics 7 Services PVT.LTD. Hyderabad, Telangana	Mutual Cooperation, participation and support from industry with	15/9/2014 to 15/9/2017 [3 years]
2	Revolve Engineers PVT.LTD	Mutual Cooperation, participation and support from industry with REPL	12-11-2014 to 12-11-2017 [3 years]
3	Central Institute of Tool Design, Hyderabad	Mutual Cooperation, participation and support from industry with CITD	[5 years]
4	National Small Industries corporation- technical Service centre [Govt of India Enterprise]	Campus to company C2C program	02/03/2015 to 31/03/2016 [1 year]
5	Surface Improvements (India) Limited-Bangalore	Collaborative R & D Training initiatives	06/02/2013
6	FELP Forum for Enabling learning Initiatives & Placement in Engineering institutes-Bangalore	Joint research and training activities	06/2/2013
7	Enmax Engineering India PVT LTD (EIPL) Hyderabad	Industrial related real time problems	04/9/2012
8	NAFEMS-UK	Joint training and research programs	06/2/2013
9	Kriatec Services Private Limited	Skill development programs in new product development-CNC Machining New Product Development-CNC Machining	17/4/2014
10	IIT-Hyderabad	Knowledge Incubation for Technical Education [KITE] centre	04/06/2014 [5 Years]
11	Front line Electronics- Chennai	EOI	25/5/2013
12	Altair Engineering	EOI	25/5/2013
13	Kaizen Green Technology	EOI	25/5/2013
14	Vi-Micro Systems PVT LTD Chennai	EOI	25/5/2013
15	KKM Soft PVT LTD- Hyderabad	EOI	25/5/2013
16	NIST Institute PVT LTD, Chennai	EOI	25/5/2013
17	BSNL, Bangalore	MoU	07/02/2013
18	Lab Tech Electronics Chennai	EOI	25/5/2013
19	CII –Andhra Pradesh	MoU	24/01/2014
20	SSS CAD centre Tirupathi	Training Program on Mechanical CAD	23/09/2008
21	Kruthi computer services PVT LTD	MoU	20/07/2013 [3 years]
22	Pushkala Technologies private Limited Bangalore	Joint training and research programs	06/02/2013
23	NASSCOM	Placement activities and other	26/6/2013
24	EDS Technologies PVT LTD- Bangalore	CATIA and FEA related software's	27/7/2015
25	ECIL Hyderabad	MoU	Validity upto 28/9/2016



26	Enmax EPC private Limited	MoU	14/8/2012
27	IBM Academic Initiative	MoU	01/01/2012 Valid to till date

3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yes, through Industry Interaction Initiative, the institute has established IBM Centre of Excellence and Siemens – Centre of Excellence for training and research. These highly specialized computer laboratories are upgraded with latest software from time to time.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 PHYSICAL FACILITIES

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

The institution is located in a lush green campus close to Horsely Hills, which is generally called “Ooty of Andhra”. The total extent of the land available to this institute is 26.17 acres with a built up area of over 26,000 sq. mts.

Plan and optimum utilization of available infrastructure:

The physical infrastructure includes classrooms, laboratories, seminar halls, departmental libraries, staff rooms, and central facilities like computer center, central library, canteen, dispensary, gym, transportation office, administrative office and they have been planned and constructed as per AICTE norms.

Suggestions are invited regularly from experts visiting the institution, faculty members, alumni, students, and parents regarding improvements to be made in the infrastructure. Reviews are held every semester to ensure optimum utilization of infrastructure.

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

Yes

- All the classrooms are equipped with LCD to improve the teaching learning environment.
- MITS Innovation Centre and Entrepreneur Cell are established to create excellence in Research and self-employment.
- 1050 computers with latest configuration and softwares worth Rs. 3 Crores are purchased during the last four years to meet the academic and research requirements in various departments and divisions.
- Internet band width is increased from 45 Mbps to 100 Mbps
- 10 smart boards are fixed in the classrooms of various departments
- Construction of additional infrastructure facilities has been planned to cope with the future expansion of the institute.

4.1.3 Does the College provide all departments with facilities like office room, common room and separate rest rooms for women students and staff?

- All the departments are facilitated with separate cubicles / rooms for heads and other staff members.
- Two well-furnished waiting halls for girl students and lady staff are available – one in the eastern Block and one in the Western Block.



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

- Institute has taken care of physically challenged during the development of infrastructure.
- Provisions are being made for lifts / elevators in all the buildings
- Ramps and wheel chairs are provided

4.1.5 How does the College cater to the residential requirements of students? Mention

- Institution has hostels for boys and girls with a total capacity of 500 students.
- Guest rooms are provided in the institute campus for parents
- Gymnasium, yoga center, recreation and reading halls.
- BSNL broadband connectivity with a speed of 24 Mbps and Wi-Fi are available.

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

- First-Aid kits in all the laboratories
- Well-equipped eight-bedded dispensary
- An experienced doctor and a nurse
- Treatment includes free medical checkups and medicines
- The dispensary works from 9 am to 5 pm. However, doctor and nurse attend emergency cases beyond working hours.
- A ready ambulance
- Blood Donation Camps, Free Medical and Health camps are regularly held
- 20-25 out patients utilize medical services every day.

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

The institute has earmarked 10 acres of land for the playground. Two well-qualified physical directors conduct sports and games throughout the year and motivate the students to participate in State and National level sports and games meets.

The available indoor and outdoor games available are given in the table 4.1.7

Table No: 4.1.7: Details of the facilities available for the sports and games

	Play field	Plinth area (sq.mts)	Availability for usage
Open - air play field	Volleyball	1444	2 courts
	Throwball	370.83	1 court
	Handball	1500	1 court
	Tennikoit – 2	424.2	2 courts
	Kabaddi -2	720	2 courts
	Cricket field	8200	1 field
	Ball badminton	748	1 court
	Shuttle badminton	124.82	1 court

Well-equipped gym	Treadmill	265	3
	Eliptical machine		2
	Multipurpose station equipment		1 station
	Ab. Trainer		1
	Whole body vibrator		1
	Cycling machine		1
	Rowing machine		1
	Leg extensor machine		1
	Twister		1
	Spot vibrator		1
Indoor Sports	Carom board	25	2 boards
	Chess		10 boards
Well-equipped Physical Education Department	<ul style="list-style-type: none"> • Equipment for all sports • Computer • Internet facility 	52	I Room

Cultural activities

- Fine arts and cultural club encourage the students to take part in extracurricular activities.
- Annual cultural fest ASHV - The Race of Talent is conducted inviting students from other institutes.
- Cultural performances are made on the occasion of Fresher’s Day and Annual Day,
- Departmental associations also conduct cultural events.



Annual Day Celebrations

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 the committee to render the library,

student/user friendly, has implemented?

The Principal is the convener of the library advisory committee. The members include Librarian, TEQIP – II Coordinator, one professor, one faculty from each department who is also in charge of the library in one's department, and student representatives.

The committee performs the following functions:

- i. To design the policy matters/decisions for smooth functioning of library
- ii. To identify the books required for every semester and procure them along with journals and magazines
- iii. To procure library related software

To organize awareness programmes on e-resources

The following are the significant initiatives implemented by the library committee:

- Procurement of books related to GRE, TOEFL, GATE, Civil Services, IBPS services, Group-I etc.,
- Extension of library hours till 7:00 PM
- Providing free snacks and tea during the extended hours and transportation
- Procurement of reference books on thrust areas worth Rs.2,00,000/-
- Procurement of e-journals, e-books and e-magazines worth Rs. 16,00,000/-
- Increase of two more books for issue to the students

4.2.2 Details of the library

Total area of the library (in Sq. Mts.)	: 750 sq.mts
Reading Place	: 250 sq.mts
Journals/Magazine section	: 40 sq.mts
IT Zone	: 62 sq.mts
Circulation Counter	: 19 sq.mts
Total seating capacity	: 200
Working hours	: 9 am to 7 pm on all working days
	: 9 am to 5 pm during vacation

- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)
- Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)
 - Floor plan of the library is displayed at the entrance
 - Fire extinguishers are provided at prominent locations
 - Books are issued for differently abled persons at their classrooms through their friends on producing their ID cards.

4.2.3 Give details on the library holdings



i. Print

Books	: 54791
Titles	: 7924
Back Volumes	: 834
Project/Records	: 1918

ii. Non Print (Microfiche, AV)

SONET DVDs	: 243
CDs	: 2876
NPTEL video courses on 500 subjects, web courses on 250 subjects	

iii. Electronic books and journals

e- books	: 1,44,819
e- journals	: 11923

The institute has subscribed- journals & E-Books worth Rs.16 lakhs per annum from ASME, IEEE, Science Direct, Springer, and McGraw Hill.

iv. Special collection

Reference Books	: 7936
-----------------	--------

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

- **OPAC (Open Online Public Access Catalogue)**

All operations are automated using Soul Software 2.0 version from UGC-INFLIBNET, Ahmedabad.

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

The e-journals subscribed can be accessed by a password.

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

Google scholar, Scopus, J-gate, ASTM digital library, Knibus, Booksc.org, Scihug.org etc

- **Library Website**

A link is provided in the website of the institute to access the library information.

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

e- resources can be accessed within the campus using the username and password

4.2.5 To what extent is the ICT deployed in the library?

Library automation : Yes

SOUL2.0 Software is used for library automation

Total number of computers for public access :20

Total numbers of printers for public access : 03

Internet band width speed : 100 mbps

Institutional Repository

URKUND software, which is approved by UGC, is used to check the originality of all research publications and projects.

Content management system for e-learning

Galileo Integrated Digital Learning Centre (GDLC)

4.2.6 Details of the specialized services provided by the library

Manuscripts	YES
Reference	YES
Reprography	YES
ILL (Inter Library Loan Service)	YES
Information Deployment and Notification	YES
OPAC	YES
Internet Access	YES
Downloads	YES
Printouts	YES
Reading list/ Bibliography compilation	YES
In-house to e-resources	YES
User Orientation	YES
Assistance in searching Databases	YES
INFLIBNET/IUC facilities	YES
INFLIBNET and DELNET facilities are available in the library	

4.2.7 Details on the annual library budget and the amount spent for purchasing new books and journals.

Purchasing new books and journals

Table No: 4.2.8: Annual Library Budget details

S.No	Year	Total Budget (Rs)	Amount spent for Books (Rs)	Amount spent for E-Journals (Rs)	Amount spent for Journals/Magazines (Rs)
1	2012-13	25,00,000	9,38,588	13,33,957	1,47,716
2	2013-14	25,00,000	6,92,804	11,10,547	1,92,801
3	2014-15	27,50,000	10,34,408	15,04,869	2,07,252

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

Yes,

The library collects feedback from the users through suggestions book kept in the library and analyzes it. The following steps are taken to fulfill the needs of the users:

- i. Issue of books is increased from 2 to 4
- ii. Library timings are extended from 5 pm to 7 pm
- iii. Number of titles on various subjects are increased
- iv. Procured more number of books on General Knowledge and for Competitive exams

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

- Old systems are replaced with high configuration systems in the digital library.
- Double-faced bookracks are procured
- New Xerox machine with scanning facility is procured in place of old Xerox machine
- Up gradation of internet bandwidth from 45 Mbps to 100 Mbps
- SOUL2.0 Software is procured for library automation
- New library building WIP

4.2.10 Did the library organize workshop/s for students, teachers, and non-teaching staff of the Institute to facilitate better Library usage?

Yes, These activities are handled more are informal ways than formal process. The Library organizes Orientation program for newly admitted students to explain the library & library facilities and usage of e-resources.

4.3 IT INFRASTRUCTURE

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

IT Service Management: The Centre for IT Services manages the institute IT infrastructure and deploys the e-resources campus wide.

All the systems in the campus are connected through LAN with high-speed internet to serve the computing needs of users to facilitate teaching, learning, research, and administration.

All e-resources and services can be accessed through Internet and Intranet at any point of time by all the stakeholders. All the students and staff are provided with Webmail facility for communication through Microsoft Office 365.

Information security: Unauthorized use of individual/institutional information is not permitted. Every individual is allotted an individual login and password to protect data.

Network Security: Network resources and computing resources are not be used for any personal purpose. Faculty members and students exercise responsibility, ethical behavior in the utilization of software and IT resources. All the users abide by the rules and regulations stipulated in IT policy of the institute.

A separate division, with four well-trained system administrators, headed by Senior Administrative Officer functions on IT asset management. All the purchased products and equipment with invoice are recorded in a standard stock register from day-to-day.

The entire equipment in the labs is insured regularly. A separate monitoring system has been adopted to check all the electrical devices.

Risk Management: The risk management of IT Assets is associated with use of ownership, operation, involvement, influence and adoption of IT within the institute.

The institute has two policies to manage the risk:

1. The institute IT assets such as website, e-resources, campus automation system are protected against vulnerability, threats, thefts through Fortinet firewall.
2. Reducing risk to certain extent by paying risk premium to the insurance companies.

Software Asset Management:

1. It is a policy of the institute to respect all computer software copyrights and adhere to the terms and conditions of any license to which the institute is a party.
2. The Institute uses only licensed software.
3. Computer software is handled by authorized staff.

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

- **Number of systems with configuration - 1050**
 - "DELL Desktop Computer System - Intel i3 - 4GB RAM DDR3 -500GB HDD
 - "HP PRO 3090 Desktop Computer System - Intel i3 2130, 2GB RAM DDR3, 320GBHDD" etc.
- **Computer-student ratio**
UG – 1:6 PG – 1:4
- **Dedicated computing facility**
Yes, dedicated computing facilities are available in all departments

Table No 4.3.2: Dedicated computer facilities available in various departments

S.No	Name of the Department	Name of the Computer Lab	No. of systems	Configuration
1	ECE	DSP, Micro Processor, Mat lab	93	Intel i3- 2GB ram- 500 GB HDD
2	ME	CAD/CAM	110	Intel i5- 4GB ram- 500 GB HDD- 1 GB Graphic card



3	EEE	Simulation lab	37	Intel i3- 2GB ram- 500 GB HDD
4	MBA	SPSS	65	Intel i3- 4GB ram- 500 GB HDD
5	CSE	Java, Data Structures, MPMC, Web Technologies, DBMS,	240	Intel i3- 2GB ram- 500 GB HDD
6	Library	Digital Library	15	Intel i3- 2GB ram- 500 GB HDD

• **LAN facility** Yes (1Gbps)

➤ All the computer systems connected through LAN with dedicated 09 servers with following capacities:

- i. Quad core processor 64 Gb RAM-300x9 HDD- 3 No.s
- ii. Quad core processor 8 Gb RAM-300x2 HDD - 3 No.s
- iii. Intel i3 - 4GB RAM DDR3 -500GB HDD- 3 No.s

• **Wi-Fi facility** – YES

• **Propriety software / Open source softwares**

Table No: 4.3.2: Property Software details

S.No	Property Softwares
1	CLARITY SNET LANGUAGE LAB
2	Ansys Academic Teaching Introductory
3	Adobe web premium, adobe professional
4	Volksoft Ez-school
5	SPSS

S.No	Name of the Department	Name of the licensed software	No. of users
1	English	Clarity English	60
2	ME	Auto CAD/CAM	120
3	MBA	SPSS	30
4	ECE	MATLAB	30
		Multi Sim	25
		Xilinx	25
5	EEE	MYPOWER	04
		OrCAD	05
		Lab-VIEW	06
6	CSE	Rational Rose	30

Table No: 4.3.2.1: Open source software details

S.No	Open Source Softwares
1	Geany
2	Java
3	Apache
4	Staruml
5	Sun_java_wireless toolkit
6	Eclips
7	MYSQL
8	PHP
9	Scratch
10	Libero open office
11	Weka
12	C, C++
13	MASM

- **Number of nodes/ computers with internet facility - 1050**

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

Infrastructure required for teaching and learning:

To meet the curriculum requirements and to cater to the latest industry trends, the IT infrastructure is upgraded periodically by the center for IT services as per the request of the Head of the department.

Infrastructure required for administration:

- The IT infrastructure is upgraded based on the requirements of administration including examination and admission divisions.
- Obsolete computer systems are replaced with latest configurations. Recently, all P-4 computer systems are replaced with i3 and i5 processor systems in all computer labs.

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

- Our Institute provides various online facilities for both Staff and Students. Wi-Fi enabled campus, which helps Students and faculty access the live lectures/training programmes through technical webinars such as QEEE, IUCEE, SDC, etc.
- We use MOODLE as one resource to provide materials to students. Students will be allowed to communicate and submit their assignments through MOODLE.
- Galileo Integrated Digital Learning Center (GDLC) provides accessing of more than



28,000 E-Books accessible with converted Power Point presentation formats. Branch wise, Subject wise and Class wise E-Books, Lecture notes, Videos and PDF can be downloaded.

- Students can copy the content and take home that particular subject or topic.
- More than 7,000 animations are available in favor of English Communication. Through GDLC we can access the assorted digital library books.
- Online e-resources such as Technical Journals of IEEE, SPRINGER, ELSEVIER, and ASME are accessible within the campus through institute login.
- Institute provides URKUND Login for all staff and PG Students to check the originality of their research papers.
- Students and faculty use the digital library to browse the courseware of MIT, MOOC videos, NPTEL videos and other online resources.

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

- All the classrooms are provided with LCD projectors
- Each department has its own Computer Centre to cater to the needs of faculty and students.
- Main Computer Centre is accessible beyond the working hours.
- A separate e-seminar hall with LCD Projector and display screen are provided for online training programmes and technical webinars from QEEE, IUCEE and SDC etc.
- Video Lectures from NPTEL, Edx, Coursera are provided in the class room teaching to enhance the student's skills.

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

- Faculty use ICT to explain typical concepts related to concerned subjects. E-resources of the respective topics are made available to the students through MOODLEs.
- Workshops on developing e-content are held to facilitate the faculty.
- Lesson plans, question banks, assignments, online website links of the concerned subjects and tutorials are uploaded on the MOODLE.
- Faculty members and students can access the online resources through username and password.
- All the classrooms and seminar halls are equipped with LCD projectors with public addressing system
- The faculty have been provided Laptops/ Desktops along with internet connection and 4G dongles.

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

- The Institute has IT service center headed by a Senior System Administrator assisted by trained system administrators.
- All the complaints received from the faculty members and students are attended immediately and the problems are rectified.
- Up gradation, maintenance and troubleshooting of the servers, network, Wi-Fi and storage are carried out by the department of IT services.
- Performance of the servers and systems is monitored for every 15 days.
- Green generators with a capacity of 200kv and 10 UPS are provided to supply uninterrupted power.

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

National Knowledge Network Connectivity is under process.

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

Table No: 4.3.9: Annual Budget for the IT services

S.No	Year	Budget	Expenditure
1	2012 - 13	Rs.25,00,000	Rs.22,44,209
2	2013-14	Rs.20,00,000	Rs.19,64,502
3	2014-15	Rs.50,00,000	Rs.45,33,594
4	2015-16	Rs.1,30,00,000	Rs.1,12,80,647

4.4 MAINTENANCE OF CAMPUS FACILITIES

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

Yes, the institute has Estate office. This office consists of one Senior Civil Engineer, Assistant Engineer and five work Inspectors to look after the construction and maintenance of the buildings, classrooms and laboratories.

Periodical maintenance operations are taken up to provide comfortable and convenient utilization of infra-structure by the stakeholders. Necessary measures are also taken to improve the ambience of the campus by maintaining clean environment.



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

- Yes, Senior Civil Engineer, Junior Engineer and Supervisors execute construction and maintenance activities.
- Two plumbers and four electricians work for laying and maintenance of plumbing system and electrical equipment.
- Two technicians work for operation of water purifiers located in all buildings.
- 30 regular workers and 20 outsourcing employees work for housekeeping, plantation and maintenance of the gardens.
- Laboratory technicians maintain the equipment in laboratories concerned



CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

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

Yes, the institute has an independent system for student support and mentoring.

Structural Characteristics:

Mentoring system: A counselor is allotted for every 20 students. The counselors monitor the academic progress of the students and provide guidance for further development. They frequently interact with the parents of irregular and academically weak students and take their support in nurturing them.

Induction and Orientation: Induction day is conducted on the day of commencement of class work for all first year students wherein the Principal, Vice Principals, Deans, Heads of the Departments, Student Welfare Officer, Physical Director, Campus Doctor, Placement Officer and the librarian provide insight into the facilities available in the college. The freshers are also oriented towards achievement of their goals and objectives.

Functional Characteristics:

- Mentors continuously monitor the progress of all students attached to him/her regarding their attendance, discipline, internal marks, assignments, psychological problems and backlogs if any. All the above information is informed to their parents through SMS and email for their reference and necessary action.
- Placement officer continuously conducts Campus Recruitment Training (CRT) programmes for the students of all the programmes in order to mold them for placements.
- Student Welfare Office as a single window renders the services required for students.
- Physical Director motivates the students to participate regularly in sports and games.
- NSS Officer imbibes service oriented approach in the minds of young engineers.
- Club advisors encourage the students to participate in club activities such as Yoga and Meditation, Science, Sports etc.,
- Special classes are conducted for slow learners

5.1.2 What provisions exist for academic mentoring apart from classroom work?

- The departments organize National and International seminars/conferences, and project exhibitions where students get opportunity to interact with experts in various fields of engineering.
- Students are encouraged to visit industries and participate in

seminars/conferences/project exhibitions of other institutes.

- Alumni association organizes meetings where junior students interact with the alumni working in different companies. This interaction helps the students prepare themselves as per requirements of industries.
- The departments arrange guest lectures on various emerging technologies by inviting industrial experts and eminent scientists.
- The department of physical education conducts Sports and Games to improve the physical fitness and self- confidence.
- Placement cell organizes CRT programs which help the students to develop presentation skills, interview skills and personality growth.
- Innovation center organizes various programs to encourage long-term innovative projects and start-ups.

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

The institute is keen on improving employability skills of the students and getting them placed. Some of the efforts made by the institute are given below:

- Academic Counseling:** The counselor monitors the academic performance of each student in terms of attendance, internal marks, external marks, learning skills etc. Student's performance in curricular and extracurricular activities is recorded to motivate and guide them for their further improvement.
- Placement and Career Counseling Cell:** Full-fledged placement and career-counseling cell of the institution comprises one Senior Placement Officer, 10 Training and Placement Officers, 7 placement co-coordinators and other supporting staff who monitor training and placement activities. This cell regularly conducts training programmes and organizes campus drives.
- Skill Development Centre:** The Skill Development Centre is sanctioned by Andhra Pradesh State Skill Development Corporation (APSSDC), Govt. of Andhra Pradesh to offer finishing school in various emerging areas. The list of the programmes organized is given in the table 5.1.3

Table: 5.1.3: Details of the skills development training programs organized in the last three by each department

S. No.	Name of the Department	Title of the training program/ add on courses	Target Participants
1.	CSE	Guest lecture on Career Essence program	III Year CSE Students
2.	CSE	Guest lecture on Career planning	IV Year CSE Students
3.	MECH	A Expert Guest lecture on Career Opportunities in Various Industries	III & IV Mech Students



S. No.	Name of the Department	Title of the training program/ add on courses	Target Participants
4.	MECH	Guest lecture on Entrepreneurship for Young Engineers	III Year Mech Students
5.	MECH	Career Opportunities for Mechanical Engineers	III Year Mech Students
6.	MECH	Technopreneurship as a Career for Mechanical Engineering	IV EEE, ECE & Mech Students
7.	MECH	A Guest lecture on Starting a knowledge based enterprise-the need of an entrepreneur	IV Mech Students
8.	MECH	Soft Skills	III Year Mech Students
9.	MECH	Career Opportunities in various Industries	III & IV Year Mech Students
10.	EDC Cell	Guest lecture on Innovation and Entrepreneurship	All Branch III Year Students
11.	EDC Cell	Career Ambitions, Goals, Aspiration for Engineering Graduates	I Year B.Tech Student
12.	EDC Cell	Entrepreneurship and promotion of small and medium enterprises opportunities and challenges	IV Year B.Tech Students
13.	BSH	Personality Development and Motivation	I Year B.Tech Student
14.	EDC Cell	Guest Lecture on Positive Thinking and Personality Development programme	III Year B.Tech Student
15.	BSH	Personality Development and Goal Setting	I Year B.Tech Students
16.	BSH	Importance of Ethical Values in Human Life	I Year B.Tech Students
17.	BSH	Personality Development Program	I Year B.Tech Students

Table No: 5.1.3.1: Details of the skills training programmes conducted with APSSDC till now

S.No.	Name of the course	Duration	No. Of batches	No. of trainees enrolled	No. of trainees passed
1	Mobile Application Development	2 weeks	1	45	45
2	Project Development	3 months	1	55	55
3	Mobile Application Development & Mini Project	45 days	1	59	59

- iv) **Social activities:** The NSS unit of institute organizes regular and special camps on health, hygiene, blood donation, blood testing, diabetes checkup and heart checkups



- v) **Soft Skill Development:** The institute offers communication skills and soft skills as part of regular curriculum to improve employability.
- vi) **Moral spiritual values:** The Institute organizes special talks on human relationships and spiritual values to improve spiritual and ethical values in the students.
- vii) **Life Skills:** The institution regularly organizes programmes to improve the holistic personality through training in Yoga & Meditation, conducting social service activities in the surrounding villages.

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

Yes, the institute publishes the prospectus and academic calendar annually. The prospectus covers the profile of the institute, vision & mission, programmes offered, eligibility criteria, intake, faculty and infrastructure details. Academic calendar contains institution rules & regulations, examination schedule, awards & prizes, list of holidays and student activities. Academic calendar can be accessed through online.

5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the Institute Management during the last four years. Indicate whether the financial aid was available on time.

The institute Management provides financial assistance to the students and children of the employees who are academically meritorious and economically weak.

Table No: 5.1.5.1: Details of merit cum means scholarship from 2011-12

Year	No. of Students benefited	Amount given as concession
2011-12	25	640900
2012-13	46	2248789
2013-14	58	1217500
2014-15	30	834100
2015-16	25	3128200
Total		8069489

List of scholars getting fellowship from TEQIP-II for the batches 2013-14 & 2014-2015

List of the scholarship provided to the research scholars under TEQIP-II

S.No	Year	Name of the department	Name of the scholar	Amount per month
1	2013-14	ECE	K. Sai Venu Prathap	18,000/-

2	2013-14	ECE	E. Lakshmi Prasad	18,000/-
3	2013-14	Chemistry	R .Yuva Sravana	18,000/-
4	2013-14	Mathematics	B. Md. Hidayathulla Khan	18,000/-
5	2013-14	Mathematics	K.Venkatadri	18,000/-
6	2014-15	M.E	V. Chengal Reddy	18,000/-
7	2014-15	ECE	Brahmadesam T. Madav	18,000/-
8	2014-15	ECE	Prahlad Reddy.T	18,000/-
9	2014-15	Physics	Pujari Ananda	18,000/-
10	2014-15	Chemistry	G. Apsana	18,000/-
11	2014-15	Mathematics	K. Subbanna	18,000/-
12	2014-15	Mathematics	Ch.Amanulla	18,000/-
13	2014-15	Mathematics	C. Shobha Rani	18,000/-
14	2014-15	Mathematics	L. Nagaraja	18,000/-
15	2014-15	Mathematics	M. Sasikala	18,000/-
16	2014-15	English	K. Naresh	10,000/-

Table No: 5.1.5.2: No. of Post Graduate Students benefited assistance ship under TEQIP-II

Year	No. of Students benefited
2012-13	27
2013-14	24
2014-15	03
Total	54

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

The number of students benefited from various government and other agencies are given in the table 5.1.6.1.

Table 5.1.6.1: Summary of financial assistance provided to the students

Academic year	Category	Total number of students	Total number of scholarship holders	%
2011-12	SC	197	185	93
	ST	60	57	95
	OBC	491	574	85
	EBC	450	435	96
	Minorities	520	497	95

Academic year	Category	Total number of students	Total number of scholarship holders	%
2012-13	SC	227	183	80
	ST	69	60	86
	OBC	728	576	79
	EBC	550	510	92
	Minorities	150	126	84
2013-14	SC	231	176	76
	ST	70	57	81
	OBC	1139	687	60
	EBC	650	607	93
	Minorities	190	174	91
2014-15	SC	253	192	75
	ST	80	45	56
	OBC	1498	777	51
	EBC	890	759	85
	Minorities	220	200	90
2015-16	SC	311	227	73
	ST	72	48	67
	OBC	1466	892	61
	EBC	1903	974	51
	Minorities	384	250	65

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

At present the college does not have International Student Cell. However, the initiative has been taken to attract foreign students.

5.1.8 What types of support services are available for

***overseas students**

At present no overseas students are admitted

***Physically challenged / differently abled students**

- Scholarship from the State & Central Government
- Lifts are to be installed in buildings
- Ramps are provided
- Scribes are provided to desirable physically challenged students during examinations
- Classrooms are provided in ground floor for physically challenged students

*** SC/ST, OBC and economically weaker sections**

- All SC/ST, BC, OBC and EBC students get financial assistance for the tuition fees, living expenses and pocket money from the Government of Andhra Pradesh.
- SC/ST book banks provide required textbooks to the students.



- PG Scholarship@ Rs. 8,000/- per month under TEQIP-II
- Full-time Ph.D research Scholarship @ Rs.18,000/- per month under TEQIP-II

***Students to participate in various competitions/ conferences in India and abroad**

- The Institute encourages and sponsors the students to participate in various competitions/conferences.
- Innovation centre motivates the students to develop start-ups.
- Recognized Research Centre creates awareness on publications, internships and innovative competitions.
- The institution encourages students to take up innovative designs and products.

***Health Centre, Health Insurance etc.**

- A residential medical officer and a qualified nurse are appointed in the campus health center.
- The health center takes care of the health problems of students and staff.
- In case of emergency, ambulance facility is made available to reach the nearby-specialized hospitals immediately.
- Health team visits the hostels of the boys and girls, whenever necessary.

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

- Training in English language communication skills through Clarity SNET language lab.
- Training in German, Japanese & Spanish is offered to improve the job opportunities.
- Central Computer Laboratory facilities are available from 8 am to 7 pm on all working days for the students to improve their computer language skills.
- Company specific training on soft skills and mock interviews are arranged to all final year students by inviting experts from recruiting companies.

***Performance enhancement for slow learners / students who are at risk of failure and dropouts**

Slow-learners are identified based on their academic performance and remedial classes are arranged in the evenings

Staff advisors take special care on the slow learners and adopt appropriate measures to improve their academic performance.

Double the duration is provided to the students to finish their programs

*** Exposure of students to other institutions of higher learning / corporate/business houses, etc.**

- Students possessing high academic record apply to premier institutions like IITs, NITs, IIMs and MNCs for internships.



- The selected students undergo advanced training to get exposure to the latest technological developments in their relevant fields.
- Students are encouraged to go for in-plant training in government and private organizations to acquire practical knowledge.
- Industrial visits and technical tours are arranged regularly to strengthen their fundamental concepts.
- Entrepreneur Development Cell encourages the students to get into entrepreneur ventures.

***Publication of student magazines**

All the student achievements are published in MITS Newsletter and communicated online.

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

Yes, every department is providing coaching for the competitive exams like GATE, PGECET by the experts in the respective subjects without any fee.

In addition, the faculty members provide guidance to students for getting good score in competitive examinations like GATE/CAT/GRE/TOEFL.

Outcome:

5-10% of students are qualified in GATE/GRE/CAT.

5% of students are admitted for higher education in India and abroad.

5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as

***additional academic support, flexibility in examinations**

- Faculty members conduct special classes to the students to teach the topics missed due to participation in sports, games and other events.
- There is a provision for concession in attendance requirement for the students participated in sports and games representing the university.
- The students participated in sports and games at national level and international level can avail the facility of compensatory examination.

***special dietary requirements, sports uniform and materials**

- The Institute provides sports uniform/tracksuits to all the students participating in inter - collegiate meets at University level and National level.
- Physical Director and Doctor create awareness on the dietary requirements for various sports and games.



- The Institute spends approximately Rs. 5,00,000/- per annum on sports and goods.

***any other**

- The Institute provides TA and DA to the students who participate in University sports meets.
- Certificates and mementos are given to the winners of various competitions conducted on the occasion of Annual Sports Day.
- 'Best Sports Man' and 'Best Sports Woman' are selected and appreciated with cash prize.
- Yoga and Meditation classes are conducted for the sports men & women to develop the stabilized and concentrated mind.

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

- Institute Placement and Training Cell continuously contacts industries and recruitment consultancies for organizing campus interviews.
- The cell conducts various programmes to improve the employability of students.
- A specially designed campus recruitment-training programme is organized for the students of all programmes.
- The Placement Cell also conducts career guidance, online tests, MOCK interviews and group discussions to the students of pre-final year and final year.

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

Year	Company Name	No. of students selected
2011 - 12	Infosys	01
	Mahindra Satyam	08
	Robert Bosch	06
	SLK Software	15
	Syntel	02
	Wipro	03
	CSS Corp	15
	Sonata Software	07
	Amararaja Batteries	06
	Gowri venture Ltd	03



	Indo Us MIM	04
	CMC Ltd	01
	Lotus Digitech	05
	Integrapph	04
	Microland	07
	Tricon Infotech	06
	Convergys BPO	04
	Marvel Tech	03
	Novell Software	01
	CTE	07
	Bob Tech Solutions	07
	Maventic	04
	Serco	07
	Quscient	05
	AMI	01
	Ionidea	01
	Elsoft Technologies	05
	HTC Global Services	04
	LCube Innovations	01
	IBM (RIM)	12
	Xchanging	22
	Langoor	01
	Carevoyant	03
	Apna Mart	13
	Bajaj Allianz	04
	Accenture	06
	Total	204

Year	Company Name	No. of students selected
	Aricent technologies Ltd	11
	EXL Infotel	22
	Indian Navy	05
	Glenwood Systems	07
	Broadcom Communications	01
	Satyam Ventures	01
	Fidelity Investments	01
	Hive Minds	01



2012 - 13	LIC	01
	Technosoft Consultancy Solutions	04
	Toyota Tsusho	06
	Muthoot Fin Corp	10
	Gokuldas Exports	01
	Amararaja Batteries	04
	Mando Steering	01
	Mphasis	02
	Syntech	01
	Tech Mahindra	08
	iNube Software Solutions Pvt Ltd	01
	ECLAT Softech	01
	LIC Life Plus	58
	Gowri Ventures	04
	Eurekha Forbes	55
	Ariyan IT Solutions	01
	AAGNA Business Solutions	32
	Sitel	02
	Sunbeam Technologies	05
	IBM	01
	Indo Us MIM	04
	Mando	01
	ECLAT Softech	01
	Cummins	02
	Metric Stream	01
	Cognizant	04
	Unisys	02
	Accenture	07
	Capgemini	02
Infinite Computer Solution	01	
	Total	272

Year	Company Name	No. of students selected
2013-14	Aricent Technologies Ltd	11
	Global Edge Software	02
	Amararaja Group	09
	Tech Mahindra	09
	IBM	04
	CTS	17
	Infosys Technologies Ltd	01
	NTT Data Corporation	03
	Glenwood Systems	01
	Reliance Communications	24
	Retailon	02
	HDFC Bank	19
	ASA Bhanu Technical Services Limited	03
	HCL Tech	01



	American Mega Trends Ltd	01
	M/s Gowri Ventures Pvt Ltd	02
	Hyundai	02
	HCL	05
	Accenture	06
	Mindtree	01
	MovingDNeedles Pvt Ltd	03
	Total	126

Year	Company Name	No. of students selected
2014-15	Tech Mahindra	21
	NTT Data Corporation	23
	Broadcom Communications	03
	Mphasis	02
	Fony Technologies Pvt Ltd	11
	Wipro Ltd	08
	Berger Paints	01
	Spandana Spoorthy Financial Ltd	04
	Amararaja Batteries	08
	Aricent Technologies	22
	Vtiger	02
	Glenwood Systems	03
	Siri Group	04
	CSS Corp	01
	Just Dial	10
	Tikona	06
	Miracle Software	14
	Pest Control Pvt Ltd	07
	ThyroCare	12
	Infosys	01
	Reliance	06
	Vyshnavi Technologies	01
	VNC Group	07
	Hyundai R&D	03
	VITEOS	02
	SAP Labs	01
	MCD BERL	03
	Bridge Consulting	04
	KIN Housing	02
	Wipro Technologies (MCA)	02
Gowri ventures	01	
TVS	03	
Verenya	02	
	Total	200



Year	Company Name	No. of Students Selected
2015 -16	Accelerada	10
	Amara Raja Batteries	1
	Angel Broking Ltd	56
	Biztime IT Solutions	51
	Bonanza Online	14
	Caliber Tech	13
	CGI	7
	Colgate Palmolive	1
	ECI Telecom	1
	Enroco Technologies	1
	GGK Tech	1
	Glenwood Systems	5
	IBM	2
	iGate	43
	INET Technology	12
	Infosys	1
	InnoBytes Technologies	5
	Intelenet	1
	Jaze Networks	3
	Kin Housing	5
	L & T Infotech	4
	Maarusa Technologies	11
	MFG Kart	1
	Mindtree	1
	Mukunda Foods	3
	NTT data	12
	Reliance	26
	RetailOn	1
	Rise & Shine	13
	SIRI GROUP	8
	Spandana Spoorthy Financials	27
	Spark Infosys	8
	TCS	4
	Tech Mahindra	16
	Tech Mahindra (BPO)	2
	TechO2 (Internship)	3
Toyama Power tools	1	
Vinzone Tech	6	
Wipro Technologies	9	
	Total	389



Year	Company Name	No. of Students Selected
2016 -17	Sionsemi	6
	Prosim R&D	1
	Vendext (Internship)	30
	Suplalaam Tech (Internship)	16
	Argusoft India Ltd	1
	Cummins (Internship)	1
	Thingtronic Private Limited	1
	Capgemini	37
	NTT Data	16
	Divum	5
	Global Automation	2
	Basai Steels And Power Pvt Ltd.	4
	SLK	22
	Enroco Technologies	2
	Arunagreen	2
	Iebhar	2
	GGK Tech	5
	Techno Vert	1
	Enchanter Corporation	13
	Tech Mahindra	24
	Total	191

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

- The Institute has a registered Alumni Association under AP Societies registration act 35 of 2001.
- The Alumni Association organizes various events for welfare for the alumni members.
- Alumni members create awareness on employment opportunities.
- This Association conducts Alumni meets every year.
- Alumni association helps in training placement activities.
- Alumni members are nominated as Board of Studies in every department.
- Alumni Association members are also conducting various social service activities.

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

- Yes, the institute has well-defined student grievance redressal cell. Every department has complaints, suggestions, grievances box near by HoD chamber. The Box is opened by the concerned HoD for every three days.
- Students may directly contact their counselors for the solution of their grievances.



- All the complaints are resolved at the department level. However, if necessary the complaint is forwarded to the Principal for necessary action.
- Student with psychological issues are counseled by qualified psychologist and senior faculty members.

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

There is a Women grivence Redressal Committee headed by senior women faculty. As and when the issue arises the committee address and resolves it.

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

Yes, the institute has anti-ragging committee. The committee consists of senior faculty member as the head, senior students, staff, parents, warden, and student welfare officer as members.

Anti-ragging squad is also formed to monitor the student activities at ragging vulnerable locations like canteen, corridors, institute hostels, bus stops, and private hostels.

The anti-ragging committee conducts awareness on consequences of ragging incidences to the senior students with the help of local circle inspector, sub-inspector and judge.

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

Alumni: Every year Alumni meet is conducted in the month of December. On the day, evening session interaction is conducted with junior students to address the industrial requirement, new technologies, job potentials and skills to be improved for job selection etc. Some of the Alumni members recommend outgoing students for the job selection in their companies.

Parents: Student academic performance including attendance and extracurricular performances are informed to their parents through SMS and uploaded to the institute website. Parents discuss with Principal, HoD and class teacher about the low performance of their wards. The concerned teachers advise the students to improve their performance and ask the parents to monitor their ward's activities. Parents meeting are also conducted to discuss problems faced by their wards for the holistic personality development of the student.

Students: Feedback is collected twice in a semester on academic activities and facilities available for extracurricular activities. The Counselors, Class Teachers and Placement Officers, Student Welfare Officer, Physical Director and NSS Officer closely interact with



students to find out their difficulties during their studies. RRC and Innovation Centre conduct awareness programmes on Innovation, Startups, Entrepreneurship, and Research Publications.

Industry: Senior Officers are nominated as members in Board of Studies and Governing Body. They advise on industrial requirement and the technological concepts to be included in curriculum. They interact with the students during the industrial visits and deliver expert lectures in the institute.

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

Cultural Events:

Every year a National level cultural fest ASHV- The race of talent is conducted to extract the inherent talents, skills of the students. Cultural Events such as group dance, singing, dramas, mono action, rangoli and fashion shows are conducted and prizes and certificates are distributed to the winners.

Student cultural club conducts various cultural events on various occasions spread over the year.

Sports:

Sports Club conducts various sports and games for all the students throughout the year. Cash prizes and merit certificates are given to the runners and winners in various events on Sports Day. Students are sponsored to participate in sports and games meets conducted at University level, National level. Physical Education Department conducts training to improve physical health and job opportunities.

Social Service:

NSS unit promotes social service activities including regular and special camps in the surrounding villages. These activities help students to understand life in the village environment and issues of the villagers.

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

The Institute encourages women to participate in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities by providing the following facilities:

1. A women faculty member accompanies girl students who are participating in various cultural/sports events in other institutions.
2. All expenses are borne by the institute
3. Separate play fields are demarked for girls.
4. Yoga & Meditation classes are conducted exclusively for women

**Table No: 5.1.19: List of students participated in various events**

Year	Name of the student	Name of the event participated	Name of the organization event conducted	Prize
2015	P. Nagarathna (EEE)	Classical dance and Mythological Act	Madanapalle Institute of Technology and Science - (ASHV - 2015)	Participated

5.2 STUDENT PROGRESSION

5.2.1 Provide details of programme-wise success rate of the Institute for the last four years. How does the College compare itself with the performance of other Autonomous Institutes / universities (if available)

Table No: 5.2.1: List of the students who got gold medals

S.No	Year	Department	Name of the student (Roll Number)	Programme	University gold medal
1	2005-09	B.T	M.Raghavendra (05691A02312)	UG	JNTUA, Anantapuamu
2	2006-10	B.T	Abrar Alikhan (06691A2301)	UG	JNTUA, Anantapuramu
3	2008-12	ME	Mr. T. Nagabhushanam Reddy (08691A0318)	UG	JNTUA, Anantapuamu
4	2010-14	ME	Ms. C.S.Soumya Sree (10691A0326)	UG	JNTUA, Anantapuramu
5	2011-15	ME	N. Bharathi (11691A0306)	UG	JNTUA, Anantapuramu
6	2011-15	IT	A.M. Siva Krishna (11691A1240)	UG	JNTUA, Anantapuramu

The success rate of the students in various programs are given in the table 5.2.1

Table 5.2.1(Batch 2012-16)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	59	45	76.27	15	28	02
ME	122	104	85.25	42	58	04
ECE	188	136	72.34	74	60	2
CSE	112	93	83.04	26	62	5
TOTAL	481	378	78.59	157	208	13

Table 5.2.1(Batch 2011-15)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	63	55	87.30	34	20	1
ME	64	57	89.04	36	22	1
ECE	132	118	89.39	58	46	14
CSE	116	97	83.62	43	49	5
IT	53	42	79.25	30	11	1
TOTAL	428	369	86.21	201	148	22

Table 5.2.1(Batch 2010-14)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	72	59	81.94	37	22	-
ME	34	28	82.35	16	12	-
ECE	139	122	87.76	74	42	6
CSE	135	105	77.77	40	59	6
IT	52	39	75	19	20	0
TOTAL	428	347	81.07	184	151	12

Table 5.2.1(Batch 2009-13)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	65	57	87.69	37	20	-
ME	33	23	69.70	16	7	-
ECE	132	124	93.94	57	46	21
CSE	108	87	80.55	41	43	3
IT	50	37	74	22	15	0
TOTAL	387	316	81.65	169	122	25

Table 5.2.1(Batch 2008-12)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EEE	73	60	82.19	13	38	9
ME	38	32	84.21	6	20	6
ECE	139	123	88.49	50	62	11
CSE	127	114	89.76	34	60	20
IT	57	49	85.96	13	26	10
BT	23	23	100.00	19	4	-
TOTAL	457	401	87.75	135	210	56

PG Results**M.Tech: 2010 Admitted Batch (2011 - 2012)**

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EPS	18	18	100	17	1	-
DECS	18	16	88.88	15	1	-
CSE 1	33	33	100.00	25	8	-
CSE 2	33	33	100.00	29	4	-
Total	102	100	98.04	86	14	-

**2011 Admitted Batch (2011 – 2012)**

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EPS	34	34	100.00	30	4	-
MD	18	18	100.00	18	0	-
DECS	18	15	83.33	11	4	-
CSE 1	35	35	100.00	29	6	-
CSE 2	16	16	100.00	13	3	-
Total	121	118	97.52	101	17	-

2012 Admitted Batch (2012 - 2013)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EPS	30	30	100.00	26	4	-
AMS	6	6	100.00	6	0	-
DECS	30	21	70.00	15	6	-
MNE	6	5	83.33	5	-	-
CSE 1	33	30	90.91	25	5	-
MD	18	18	100.00	17	1	-
CSE 2	25	24	96.00	23	1	-
Total	148	134	90.54	117	17	-

2013 Admitted Batch (2013 - 2014)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
EPS	36	33	91.67	27	6	-
AMS	33	32	96.97	25	7	-
DECS	33	25	75.75	25	-	-
CSE 1	36	32	88.89	28	4	-
MD	24	22	91.67	22	-	-
MNE	23	15	65.22	14	1	-
CSE 2	31	28	90.32	23	5	-
Total	216	187	86.57	164	23	-

2014 Admitted Batch (2014 - 2015)

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
DECS	20	16	80.00	16	-	-
VLSI	20	15	75.00	15	-	-
SPS	35	34	97.14	20	-	-
Total	75	65	86.67	51	-	-



MBA / MCA

2009 Admitted Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
MBA	58	56	96.55	31	25	-
MCA	51	49	96.07	39	09	01
Total	108	104	96.30	68	36	

2010 Admitted Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
MBA	46	43	93.48	41	2	-
MCA	55	52	94.54	46	6	-
Total	101	96	95.05	90	6	-

2011 Admitted Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
MBA	56	48	85.71	31	17	-
MCA	59	57	96.61	57	0	-
Total	115	105	91.30	88	17	-

2012 Admitted Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
MBA	54	48	88.89	25	23	-
MCA	54	53	94.44	49	2	-
Total	108	99	91.67	74	25	-

2013 Admitted Batch

Branch	Appeared	Passed	Pass%	Distinction	1st Class	2nd Class
MBA	120	84	70	39	45	
MCA	51	46	90.19	45	01	-
Total	171	130	76.02	84	46	

Direct 2nd Year MCA

2014 Admitted Batch

Branch	Appeared	Passed	Pass %	Distinction	1 st Class	2 nd Class
DMCA	41	40	97.56	39	01	-

Our students got first rank in the JNTUA, Anantapuram, and received Gold Medal for their academic excellence.

5.2.2 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.

Table 5.2.2.1: Percentage of student progressing to higher education and employment (UG)

Batch	Student progression	ME	CSE	EEE	ECE
2008-12	UG to PG	2.70	3.05	5.71	3.47
	Employed	54.05	33.59	28.57	49.31
	Campus selection	40.54	25.95	1.42	24.31
	Other than campus recruitment	13.51	7.63	27.10	25.00
2009-13	UG to PG	17.65	5.88	24.62	6.72
	Employed	70.59	79.83	60.00	85.07
	Campus selection	50.00	18.49	56.00	54.48
	Other than campus recruitment	20.59	61.34	7.69	30.60
2010-14	UG to PG	14.71	4.29	12.50	2.74
	Employed	58.82	60.71	61.11	68.49
	Campus selection	32.35	10.71	5.50	27.40
	Other than campus recruitment	26.47	50.00	55.50	41.10
2011-15	UG to PG	7.94	6.25	7.25	1.39
	Employed	84.13	65.63	66.67	70.83
	Campus selection	25.40	34.38	18.80	27.08
	Other than campus recruitment	58.73	31.25	47.80	43.75
2012-16	UG to PG	0.00	0.00	3.14	1.98
	Employed	19.67	73.98	75.86	74.26
	Campus selection	19.67	62.60	65.5	33.17
	Other than campus recruitment	0.00	11.48	10.37	41.09



Table 5.2.2.2: Percentage of student progressing to higher education and employment (PG)

Academic Year	Student progression	ME	CSE	EEE	ECE	MBA	MCA
2011-12	PG to Ph.D.			-	5.56	-	-
	Employed			-	11.11	-	84.31
	Campus selection			-	5.56	--	45.10
	Other than campus recruitment			-	5.56		39.22
2012-13	PG to Ph.D.	11.1	-	5.56	5.56	-	-
	Employed	27.8	-	16.67	38.89	100.00	80.00
	Campus selection	11.1	-	5.56	11.11	76.00	29.00
	Other than campus recruitment	16.7	-	11.11	27.78	24.00	50.91
2013-14	PG to Ph.D.	-	-	-	0.00	-	-
	Employed	32	-	14.29	19.44	92.98	67.80
	Campus selection	8	-	5.71	11.11	80.70	-
	Other than campus recruitment	24	-	8.57	8.33	12.28	67.80
2014-15	PG to Ph.D.	-	4.76	-	0.00	-	-
	Employed	21.1	-	20	19.64	95	75.93
	Campus selection	3.51	-	6.67	12.50	82	20.37
	Other than campus recruitment	17.5	-	13.33	7.14	13	55.56
2015-16	PG to Ph.D.	-	-	-	0.00	-	-
	Employed	-	-	30.00	29.27	97	86.96
	Campus selection	-	-	15	26.83	82	85.87
	Other than campus recruitment	-	-	15	2.44	15	1.09

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

Table No: 5.2.3: Programme-wise completion rate/dropout rate

Course	2011-12		2012-13		2013-14		2014-15		2015-16	
	Completion rate	Dropout rate	Completion rate	Dropout rate	Completion rate	Dropout rate	Completion rate	Dropout rate	Completion rate	Dropout rate
EEE	91	0.5	89.06	0.4	86.76	0.6	87.30	0.9	80.12	0.4
ECE	88.49	1.38	93.94	1.49	87.76	2.05	89.39	0.69	72.34	0.49



CSE	89.76	0.04	84.25	0.07	77.77	0.08	82.75	0.07	80.35	0.08
ME	84.21	0.4	84.85	0.2	94.12	0.6	89.06	0.6	--	--
MBA	96.6	0.1	94.7	0.5	95.9	0.2	98.2	0.4	--	--
MCA	96	0.01	94.4	0.03	96.61	0.04	94.44	0.01	90.19	0.3
DMCA	--	--	--	--	--	--	--	--	97.56	0.3

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

Table No: 5.2.4: Percentage of students qualified in various competitive examinations

Department	Year	Name of the exam	No. of students appeared	No. of students qualified	Percentage
ECE	2014-15	GATE	-	-	0
		GRE	-	-	0
		PGCET	2	2	100
	2013-14	GATE	6	6	100
		GRE	1	1	100
		PGCET	2	2	100
	2012-13	GATE	7	7	100
		GRE	-	-	0
		PGCET	12	12	100
CSE	2014-15	GRE	4	4	100
		TOEFL	4	4	100
	2013-14	GRE	2	2	100
		TOEFL	1	1	100
		TANCET	3	3	100
	2012-13	GRE	1	1	100
		TOEFL	1	1	100
		GATE	3	3	100
	EEE	2014-15	GRE	3	3
GATE			2	1	50
2013-14		GATE	14	7	50
2012-13		GATE	9	9	100
MECH	2014-15	GRE	1	1	100
		TOEFL	1	1	100
	2013-14	GRE	5	5	100
		TOEFL	2	2	100
		TANCET	7	7	100
	2012-13	GRE	1	1	100
		TOEFL	2	2	100
		GATE	1	1	100

		VIT	4	4	100
IT	2014-15	GRE	5	5	100
		TOEFL	5	5	100
	2013-14	GRE	1	1	100
		TOEFL	1	1	100
		TANCET	-	-	
	2012-13	GRE	1	1	100
		TOEFL	1	1	100
		GATE	-	-	

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

Recognized research centers are offering full-time Ph.D programme in various departments from 2013-14. At present, the institute has 29 full-time research scholars and their research is under progress.

5.3. STUDENT PARTICIPATION AND ACTIVITIES

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

Table No: 5.3.1 (a): Details of sports & games activities

S.No	List of sports & games	Activity details
1	Fresher's Day	Freshers vs Seniors sports and games
2	Intra Mural	Inter departmental matches
3	Inter Collegiate	Represent institute teams
4	Sports Club	Sports club matches (Open to all)
5	Community Club	Local Club matches
6	Faculty Students Match	Faculty vs Students sports and games
7	Inter University Matches	Selected Players represent for University

Table No: 5.3.1 (b): Details of cultural and extracurricular activities

S.No	Name of the cultural program	List of cultural and extracurricular activities
1	ASHV	Dance, Traditional fashion show, Singing, Dramas etc.
2	Fresher's Day	Quiz, Debate, JAM, Fashion show, Games and Athletics, Mono Action, Dance
3	Traditional Day	Traditional and cultural events
4	Institute Day	Dance, Traditional fashion show, Singing, Dramas etc.
5	Farewell Day	Dance, Singing, Dramas etc.

Table No: 5.3.1 (c): List of the students participated/ won the prizes in various activities

S. No	Year	Name of the student	Department	Event Name & Game	Achievements
1	2011-12	L. P. Prasad	II MBA	JNTUA Inter University Handball	Participation
2	2011-12	M. Raja Sekhar	II MBA	JNTUA Inter University volleyball	Participation
3	2011-12	B. Kumar	IV ECE	JNTUA Inter University Chess	Participation
4	2011-12	K. Umakanth Naidu	IV ECE	JNTUA Inter University Cricket	Participation
5	2011-12	M. Rajasekhar	I MBA	JNTUA Inter University Cricket	Participation
6	2011-12	S. Babjohn	IV ECE	JNTUA Inter University Cricket	Participation
7	2012-13	M. Krishna Rao	CSE –II	Open Chess Tournament	Winner
8	2013–14	B. Janardhan	II MCA	JNTUA Inter University Cricket	Participation
9	2013–14	Azeemuddin	III MCA	JNTUA Inter University Volleyball	Participation
10	2013 –14	S. Chandra Sekar Naik	III ECE	JNTUA Inter University Kho – kho	Participation
11	2014-15	S. ChandraSekar Naik	III ECE	JNTUA Inter University Kho – kho	Participation
12	2015-16	G. Shivakrishna	I ECE	JNTUA Inter University Kabaddi	Participation
13	2015-16	S. AkbarAli	III CSE	JNTUA Inter University Cricket	Participation
14	2015-16	G. SaiPratap	III EEE	JNTUA Inter University Cricket	Participation
15	2015-16	K. Ashok	I MBA	JNTUA Inter University Fencing	All India Participation



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

Table No: 5.3.2: List of Intercollegiate sports and games

S. No	Year	Event name	Event organizers	Game / sport	Category	Achievements
1	2012	Inter collegiate	RGM, Nandyal	Volleyball	Men	Runner up
2	2012	VIT riviera'11	VIT, Chennai	Throw ball	Women	Reached quarter final
3	2012	VIT riviera'11	VIT, Chennai	Volleyball	Women	IV place
4	2012	Mitsport-2k11	MITS, MPL	Throw ball	Women	Winners
5	2012	Inter collegiate	SVCET, Chittoor	Shuttle badminton	Women doubles	II place
6	2012	T-20 cricket match	Audisankara Engineering Institute, Gudur, Nellore.	Cricket	Men	Runner up Man of the series L. Subbareddy ECE best batsman K. Babjohn iv ECE all-rounder k. Janardhan I-MCA Best captain k. Nayaz IV-CSE
7	2012	National level cricket tournament (selesta)	SVCET, Chittoor.	Cricket	Men	Winners

Inter University matches - University representatives

S.No.	Year	Name of the Student	Dept.	Event Name & Game	Achievements
1	2013 -14	B.Janardhan	II MCA	JNTUA Inter University Cricket	Participation
2	2013 -14	Azeemuddin	III MCA	JNTUA Inter University Volleyball	Participation
3	2013 -14	S.Chandra Sekar Naik	III ECE	JNTUA Inter University Kho - kho	Participation
4	2014 - 15	S.Chandra Sekar Naik	III ECE	JNTUA Inter University Kho - kho	Participation



5	2014 - 15	Deepika	II CSE	Tennikoit Inter Collegiate	Runners
6	2015 - 16	G.Shiva Krishna	I ECE	JNTUA Inter University, kabaddi	Participation
7	2015 - 16	S.Akbar Ali	III CSE	JNTUA Inter University, Cricket	Participation
8	2015 - 16	G.Sai Pratap	III EEE	JNTUA Inter University, Cricket	Participation
9	2015 - 16	K.Ashok	I MBA	JNTUA Inter University, Fencing	All India Participation

Intercollegiate matches

S. No.	Year	Event name	Event organizers	Game / sport	Category	Achievements
1	2014-15	JNTUA Inter Collegiate	CBIT, Proddatur.	Tennikoit	Women Doubles	Runner Up
2	2014-15	Autonomous Engineering College meet	GPREC, Kurnool.	Cricket & Volleyball	Men	Participation
3	2014-15	Eenadu Champions Cup	Chittoor	Cricket	Men	Participation
4	2014-15	ASHV 15	MITS	Volleyball	Men	Winners
5	2014-15	ASHV 15	MITS	Triple Jump	Men	III Place
6	2014-15	ASHV 15	MITS	Triple Jump	Women	II Place
7	2014-15	ASHV 15	MITS	Throw ball	Women	Winners
8	2014-15	ASHV 15	MITS	100 Mts Race	Women	III Place
9	2015-16	Autonomous Engineering College meet	NBKR IST, Nellore.	All	Men & Women	Participation
10	2015-16	EENADU Champions Cup	Chittoor	Cricket	Men	Participation

Club matches

S.No	Year	Event organizers	Game / sport	Category	Achievements
1	2013	MITS	Cricket	Men	Winners
2	2014	MITS	Cricket	Men	Runners
3	2014	MITS	Kabaddi	Men	Winners
4	2014	MITS	Cricket	Men	Winners

5	2015	JNTUA	Kabaddi	Men	Runners
6	2015	MITS	Cricket	Men	Winners
7	2015	JNTUA	Volleyball	Men	Runners
8	2015	JNTUA	Handball	Men	Runners

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

Based on the separate feedback collected on support services the following actions have been taken:

1. Extension of library & Net Labs beyond the institute hours
2. Free transportation during extended hours
3. Clubs to improve holistic personality of the students
4. Enhanced RO plant capacity for purification of drinking water
5. ATM facility
6. Increase in the issue of library books from 2 to 4
7. Increased internet bandwidth from 45 mbps to 100 mbps.
8. Gym with high-end fitness equipment
9. Yoga and meditation training classes for students and faculty members
10. Modernization of kitchen equipment and enhanced seating capacity in the canteen

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

YES, feedback from graduates is collected once in a year during alumni meet. The consolidated feedback is used for development of the institutional activities and facilities.

Formal and informal feedback is also collected from the employers during campus drives and industrial visits.

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

Students are encouraged to present papers in the students symposiums organized in the institute and other institutions. Students of all the departments conduct symposiums every year and publish proceedings.



List of major proceedings

- i. TERA
- ii. Photon
- iii. Mechnance
- iv. SITA

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

All the students are involved in many activities of the institute. Every department has student associations and student clubs. These associations and clubs organize various curricular and co-curricular activities to update the technological development and to improve the holistic personality of the students. Students take the key role in organizing all the events and activities under the guidance of faculty members and HoD. Each club and association has a faculty advisor who guides in planning, organizing and mentoring various student activities. The list of the Department Associations and student clubs are given in the table 5.3.6.

Table No: 5.3.6: Details of Student Associations in various department

S. No	Name of the Department	Name of the Department Association	Name of the student club	Faculty Advisor
1	Civil Engineering	Civil Engineering Association	Yoga & Meditation Club	Dr. N. Kumara Swamy
2	Electrical and Electronics Engineering	Forum for Electrical and Electronics Literacy	-	Dr. C. Kamal Basha
3	Electronics and Communicati	ECE Association	IEEE Student Chapter	Mr.Javeed Hussain
4	Mechanical Engineering	Mechanical Engineering Association	Tech Club	Dr. T. Vishnuvardhan
			Science Club	Dr. P. Suryanarayana Raju
5	Computer Science Engineering	CSE Association	Film Makers Club	Mr. R. Sathiyaraj
6	Management Studies	-	Marketing Club, Finance Club, HR Club, IT Club, Dance Club, Music Club, Sports Club	Dr. k. Srinivas / Mr. S. Ismail
7	Management Studies	-	MITS students' Clubs	Dr. Ahmad Basha



- Students are part of various committees such as cultural committee, anti-ragging committee
- Students are involved in organizing various events and activities for the institute day celebrations, sports day celebrations and cultural fest ASHV – The race of talent.

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

Role of the student representatives in various activities

1. IEEE student's chapter – organizes technical quiz, competitions on updated technologies, paper presentations, technical games and model exhibitions.
2. Department Associations – conduct quiz, paper presentations, competitions on update technologies such as cloud computing, micro grid, cyber security, Nano electronics, green buildings etc. logical games, social activities, aptitude test, verbal and analytical reasoning etc.
3. Student's Clubs such as Yoga & Meditation Club, Science Club and Cultural Club etc. conduct several activities.
4. Student volunteers of the NSS Unit– conduct health camps, blood donation camp, visit the old-age homes, orphanages and mentally challenged schools; conduct awareness programmes on technical environmental, psychological and social aspects in adapted villages and train the youth on vocational courses.
5. Arrange educational tours, technical tours and industrial visits
6. Arrange the environmental study tour to the surrounding areas like Horsely Hills, Rishi Valley and Mallayakonda etc.
7. Participate in awareness programmes of anti-ragging, anti-sexual harassment, student welfare programmes.
8. Organize various events in institute day, sports day and cultural fest.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1 State the vision and mission of the College

Vision:

Become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Mission:

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

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

- The institute is located in Angallu Village, Kurabalakota Mandal near Madanapalle in Andhra Pradesh.
- The mission statement of the institute addresses the needs of the society in terms of well-disciplined, intellectual, innovative, competent and holistic engineers.
- It also addresses social awareness of engineers on human life, morals, values and social service.
- The mission aims to make students acquire significant characteristics through teaching learning process, innovation, practical approach and rational thinking.
- Dissemination of knowledge and information to the society through outreach research activities and addressing the issues concerned to the society
- Reinforcement of the student centric learning, research, innovation and patenting are carried out to achieve the culture of excellence.

Vision for future:

- i. Maintain standards on par with reputed institutions and achieve international accreditation.
- ii. To become deemed university
- iii. Provide world class facilities to the students

Design specialized programmes for international students

6.1.3 How is the leadership involved in

- Ensuring the organization's management system development, implementation and continuous improvement

- The Institute has a well-structured decentralized system with definite roles and responsibilities. The structure of the leadership is formulated to plan, monitor and implement various activities to attain the Vision and the Mission of the institute.
- Functioning of system at every level is reviewed and necessary changes are brought on need basis for continuous improvement
- All the committees have been constituted as per UGC guidelines for Autonomous institutes.

Interaction with stakeholders:

- There is a mechanism to receive feedback from the Parents, Employers and Alumni.
- The feedback is analyzed and appropriate steps are taken for the growth of the institute.
- Institute collects the opinions from industrial experts, scientists and academicians.

Reinforcing culture of excellence:

- Faculty and students are encouraged to become members of professional bodies.
- Knowledge gap between industry and institution is filled through industry oriented value-added courses.

Identifying needs and championing Organizational Development (OD)

The SWOT Analysis of the institution (Need Analysis, Means Analysis, Gap Analysis, and Target-Situation Analysis) is used to plan various activities for making the institute a centre of excellence. The institution Developmental Proposal submitted to NPIU for TEQIP Phase-II SC1.2 through State Government is approved and a fund worth 4 crore rupees is sanctioned for goal-oriented development in the institute.

The following activities have been taken up to make the institute one of the top institutes in Andhra Pradesh.

- 39 senior faculty members attended Management Capacity Enhancement Programmes conducted by IIM Indore, IIM Udaipur, IIM Kozhikode, IIM Bangalore, IIM Tiruchunapalli, ISB, IIM Lucknow and IIM Raipur.
- The Institute has setup Incubation, Startup and Entrepreneurship Cells to mould the students to start their business ventures.
- Introduced innovative student centric methods in teaching to make students industry ready.
- Introduced Foreign Languages Department to increase the job opportunities.

6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

NO



6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes, the statutory bodies such as Governing Bodies, Academic Council and Board of Studies were filled with eminent personalities from the institutions and industry as per the guidelines stipulated by the UGC and AICTE. The meetings of the above statutory bodies are conducted at regular intervals and minutes of the meeting are made available at the administrative office and respective departments.

6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the institution promotes the participative management. It strongly believes in the active involvement of all the members of MITS family for effective management.

The Deans, HoDs and faculty members are nominated in various management bodies such as governing body, academic council, board of studies, faculty advisors for student club, hostel wardens, TEQIP-II Coordinators, repairs and maintenance of buildings, transportations, Quality Assurance Cell, Alumni Association, Professor In charge for Library and Professor In charge for IT Management.

A high level of decentralization is facilitated through delegation of powers to various committees who execute the academic and the extra-curricular activities of the institute. This empowers the department heads and individual faculty with flexibility in taking decisions on academic administration at department and institutional level.

The management addresses various issues of the institute at regular intervals and periodically conducts review meetings and collects suggestions from faculty members to develop the road map for the future academic activities.

a. Areas of participation by faculty members:

- The Principal with the Deans and Heads of the Departments discusses the needs, problems and suggestions to improve the educational quality and infra-structure improvements to talk to the management for further action.
- Senior faculty members are part of the Governing Body, contributing to the major decisions of the institution.
- Deans, Autonomous Coordinator, Heads of the department are the constituent members of Academic Council
- Board of Studies comprises HoD and senior faculty members of the respective departments
- Faculty members plan, coordinate and execute the activities of academic and administrative committees, NSS, Clubs and Associations.
- Staff members carry out the duties as a part of various committees like NBA, NAAC etc. formed by the institute.
- Faculty members play a prominent role in IQAC



- As part of the teaching-learning process, the faculty members take part in various external and internal training programs, workshops etc., as and when assigned by the institution.

b. Areas of student participation:

- Alumni are a part of executive bodies like Advisory board and Board of Studies
- Student council comprising coordinators of Literary and Cultural Association, Sports & Games and NSS, organize various institution level programmes. Various academic clubs and associations of the departments have student coordinators who diligently plan and execute various fests and programmes.
- Students are an integral part of quality circles contributing to development of curriculum and teaching learning methods.
- As MITS Ambassadors, a select group of students, exemplary in conduct and character meticulously assist in execution of various events. They promote a culture of discipline among the peers.
- All classes have representatives who are helpful in organizing and conducting functions and activities in the institute.

c. Areas of participation by non-teaching staff:

- The institute office is controlled by a Senior Administrative Officer (SAO) assisted by a HR Manager, Accounts Officer and Clerical Staff.
- The HR Manager is responsible for faculty recruitment and arranging training programs
- The Accounts Officer is assisted by accountants for collection of fees from students and remittances in respective banks. Preparation of salary details, maintenance of various cashbooks, remittances of service bills, preparation of balance sheets for every financial year etc.

6.1.7 Give details of the academic and administrative leadership provided by the University to the College?

The affiliating university JNTUA, Ananthapuramu nominates eminent professors as members of institute Governing Body, Academic Council, Boards of Studies to support and guide the academic mechanism.

Senior professors from the university are invited as resource persons for the workshops, seminars/guest lectures, Faculty Development Programmes (FDP) and act as Research guides for the faculty members who are pursuing Ph.D, examiners for the project viva, Chief Guests for various functions. Professors from the universities are invited as experts for the faculty recruitment.

6.1.8 How does the College groom the leadership at various levels?

The institute mainly focuses on transformational leaders through giving freedom and power to do different activities independently at various levels. They are encouraged to attend various training programmes/FDPs/refresher courses/MCEPs organized at reputed institutes in the country.

Faculty members are encouraged to organize various programmes at institutional level. To groom their leadership skills faculty members are allowed to visit various institutes/universities. Students also are encouraged to organize various programmes to build leadership skills.

6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.

Yes, knowledge management is done through the following steps:

- The Institute website provides information about the profile of the institute and faculty and updated activities taken up by the institute.
- MITS communication is a e-mail news letter that spreads awareness on diverse topics.
- The Institute has a digital library and intranet to share the e-resources such as journals, softwares, e-books and other e-material.
- Webinars through IUCEE is another mode of knowledge exchange with experts from foreign universities, IITs, IIMs etc.
- Knowledge sharing by inviting the external experts for the conferences, seminars, workshops and symposiums.
- Faculties share their knowledge on advanced topics to other faculty through campus lecture series.

6.1.10 How are the following values reflected in various functions of the College?

➤ **Contributing to National Development**

1. Institute molds students with ethical values and high quality of education to take-up challenges of nation.
2. Research projects of AICTE, DST and UGC have been carried out in the thrust area of the National interest.
3. Service to the villages by adopting the village under smart village concept initiated by AP State Government.

➤ **Fostering global competencies among students**

1. The Institute has changed from pure teaching institute to an institute, which motivates the student and faculty members towards research and practical learning.
2. It has adapted Outcome Based Education principle on par with global changes in higher education.
3. Students and faculty are encouraged to improve their communication skills, leadership qualities, organizing capability and global thinking.



4. Encouraging creativity through innovative projects and paper presentations in emerging areas which leads to global competency.

➤ **Inculcating a value system among students**

1. Students are encouraged to participate in NSS and other social services
2. Students visit orphanage, old-age home, mentally challenged children school and donated food.
3. Institute has introduced the value education as added courses
4. Students contribute donations to the victims of natural calamities
5. The Institute organizes spiritual programmes to induce the values
6. It conducts Yoga & Meditation classes to improve the quality of life and human relations

➤ **Promoting use of technology**

1. Organizing various hands on training programmes on the latest technologies - Android Application, Cloud Computing, Design of Robot Assemble, Manipulation etc.
2. Training on the use of Information Communication Technology tools on automation of library, administration, teaching and learning process.
3. Recording attendance of employees through Biometric system.
4. Informing attendance and progress of the students to the parents through SMS and email.

➤ **Quest for excellence**

1. The institute has applied for NBA re-accreditation for all eligible UG programmes and applied for accreditation for PG programmes.
2. Recognition to offer full-time Ph.D programmes.
3. The institute is granted Autonomous status by the UGC from the academic year 2013-14.
4. Innovation Centre focuses on start-ups, innovative projects and patenting of innovations.
5. Entrepreneur Development Cell aims to develop the entrepreneurial spirit
6. The faculty members are encouraged to register for Ph.Ds, take-up funded projects, publish papers, and attend the conference, workshops and seminars.
7. Students are encouraged to participate in various technical, cultural and sports events.

6.1.11 Give details of the UGC Autonomous review committee's recommendations and its compliance.

The UGC has granted autonomous status to this institute for period of six years with effect from 2014-15. UGC autonomous review committee inspection is yet to be held.

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

- **Teaching and learning**

The institute aims at

- 100% faculty with Ph.D, enhancement of research activities, start-ups and patents.
- Tie-ups with foreign universities for exchange of faculty and resources.
- Smart classrooms in all departments.
- Interactive teaching and learning through online
- Introducing gap year concept
- Attracting high meritorious students
- Offering vertical and horizontal mobility across the programmes

- **Research and development**

The Institute is planning to enhance R&D activities by

- providing incentives to quality research publications
- Encouraging collaborative research with other institutes/universities.
- Increasing full-time Ph.Ds scholars
- Establishing centre of excellence in various departments.
- Increasing research projects

- **Community engagement**

- To conduct skill development programmes to the unemployed youth.
- To introduce the NCC
- To transfer technical knowhow for the village development
- To encourage the faculty and students to take up community based research projects

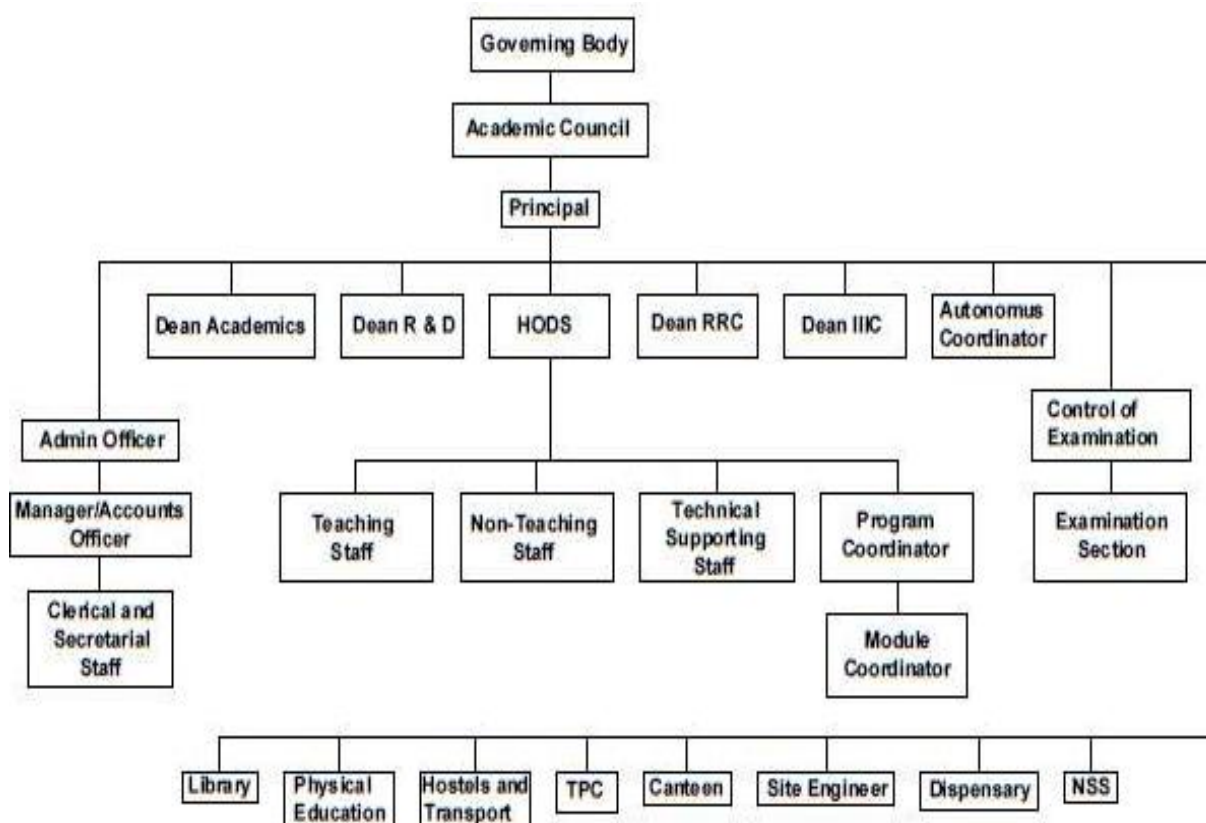
- **Human resource planning and development**

- Human Resources play a vital role in sustainable development and growth of any institution of higher learning. The perspective plan of human resources planning and development is as follows:-
 - i. Recruitment of 100% faculty members with doctorates within three years
 - ii. Recruitment of eminent personalities as faculty members from abroad
 - iii. Tie up with various higher learning Indian universities and foreign universities for the exchange of faculty members and students.
 - iv. Encourage the faculty members to participate in research activities and consultancy
 - v. To invite more number of guest faculty from reputed R&D organizations.



- **Industry Institute Interaction Cell**
 - The Institute is planning to establish the Centre of Excellence labs in association with various industries.
 - Strengthening industry institute interaction by collaborating research with industries.
- **Internationalization**
 - Collaborating with foreign universities for twinning programmes.
 - Tie ups with various foreign universities for exchange of faculty and resources.
 - Making the institute global by attracting foreign students.

6.2.2 Enunciate the internal organizational structure of the College for decision-making processes and their effectiveness.



Governing body is apex body that guides and approves Vision , Mission and Quality Policy of the institute. It monitors the institutional performance. Principal, Deans, HoDs and Senior Professors are accountable for the progress, quality, new proposals and other issues to the governing body.

Academic council is the best statutory body which is responsible for various academic activities like designing and approving the curriculum with rules and regulations, analysing results, guiding the research activities and assuring academic quality.



In addition to the above statutory bodies, the institute has the following non-statutory committees:

1. College Academic Committee
2. Admissions Committee
3. Anti-ragging Committee
4. Social welfare committee
5. Industry Institute Interaction Cell
6. Alumni welfare Association
7. Sports & Games Committee
8. Finance & Purchase Committee
9. Grievance Redressal Committee
10. Library Committee
11. Training & Placement Committee
12. Internal Complaint Committee
13. R&D Committee

The above committees are functioning to facilitate successful implementation of autonomy and development of the institute.

6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.

Table No: 6.2.3: Details of various plan proposals initiated/implemented

S.No	Proposals	Years of Implementation			
		2011-12	2012-13	2013-14	2014-15
Starting of New Programmes (UG & PG)					
	B.Tech (CE)				
	M.Tech- Solar Power Systems				
	M.Tech- VLSI & ES				
	MCA Direct				
	M.Tech-AMS				
	M.Tech.MNE				
	B.Tech (CSE)-II Shift				
Increase in intake					
	B.Tech (EEE)				120
	B.Tech (ECE)		240		
	B.Tech (ECE)-II Shift				120
	B.Tech (CSE)				180
	B.Tech (ME)				240
Establishment of various units					
	R&D Centre				
	RRC				
	IIC				



	Innovation Centre				
	Entrepreneur Cell				
	Patenting Cell				
	Startup Centre				
	Autonomous of the institute				
	NBA Accreditation				
Curriculum Development					
	OBE based Curriculum delivery and assessment				
Research Projects					
	Institute Funded Research Projects				
	Funded Research projects from other agencies				
TEQIP Project					
	TEQIP Project-II				
Infrastructure					
	South Block				
	Construction of additional staircases				
	Modernization of canteen				
	Additional Hostel facility				
	Cameras				
	LCD Projectors in the classrooms				
Enhancement and Up gradation of IT infrastructure					
	Wi-Fi Campus				
	Fortinet (Firewall)				
	Procurement of High End Computers				
	Anti-Plagiarism Software (URKUND)				
	MOODLE				
Library					
	Automation of Library				
	e-journals				
Sustainability Projects					
	Rain water Harvesting				
	Development of Natural Garden				
	Introduction of LED lights				
	Solar Lights				
	Solar Energy Harvesting				

Future Plans for 2016-2026:

- Deemed university status
- Self-sustained campus with reference to water, energy and recycling of waste water
- Funded research projects for all faculty
- Continuing education programmes



- Developing MITS MOOC online courses
- Establishment of centers of excellence in advanced technologies
- Providing MITS cloud for e-learning and online courses
- Financial sustainability through faculty consultancies, research projects and support from alumni and other sources.
- Construction of staff quarters
- More MoUs with industries and institutions

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

Quality Policy:

Madanapalle Institute of Technology & Science is committed to bring out and nurture the talents and skills of youth in the fields of Engineering and Management to cater to the challenging needs of society and industry.

- We shall achieve this by contributing to the academic standing and overall knowledge development of the students
- Providing excellent infrastructure and conducive learning environment
- Enhancing the competence of faculty and promoting R&D Programs
- Collaborating with institutions and industries
- Ensuring continual improvement of Quality Management System
- The Quality Policy is designed keeping in view of the Vision, Mission statements with inputs and expectations of the stakeholders in order to contribute the growth of knowledge, addressing social concerns.
- It is driven by active support of Management, Faculty Members, Parents and Student Community and Academic Administrative Research Policies.
- The Quality Policy is disseminated through display at vantage points in the laboratories, verandah, library, department and Administration offices.
- Quality Policy is reviewed once in every five years.

6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Students take up their grievances or complaints either to Grievance Cell Committee or to the SWO at the office. The SWO (Student welfare officer) takes up the issue through mails (studenthelpdesk@mits.ac.in) or written complaint letters. The Committee members discuss with students to find the root-causes and actions to be taken for each complaint if necessary. The institute looks forward for better stakeholder relationship by inviting stakeholders to the meetings.

A separate Women Grievance Cell is constituted to look into issues related to women staff members and girl students.



6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, the institute has a mechanism for analyzing student feedback on institutional performance. Feedback on institutional performance is taken from the students after course completion. The valuable suggestions are considered for implementation.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College.

- JNTUA has nominated senior professor to the Governing Body, Academic Council, and Board of Studies.
- Senior professors of the university also participated in Academic Audit, evaluation process of UG & PG projects and performance of the Ph.D scholars.
- Senior faculty members are also attended as resource persons for workshops, seminars and conferences.
- Our faculty members were allowed to attend Faculty Development Programmes organized by the University.
- The University permitted our faculty members to register their Ph.D programmes and senior faculty members to act as supervisors.

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of Institute and University Development (BCUD)? If yes, In what way Institute is benefitted.

Not Applicable

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?

The Institute is very much concerned about its alumni, parents, employees and staff. As a result, it is providing complete freedom to alumni, parents, employees and staff to give their feedback on functioning of institute. Management conducts meetings frequently with parents, alumni, employees and staff to know their level of satisfaction on functioning of the institute and to take valuable suggestions for betterment.

There are specific formats for each of the feedbacks:

1. **Non –teaching:** Feedback is collected in well-designed format at the end of the academic year. Performance evaluation about the institution functioning. Feedback is also taken at the end of training programs.
2. **Teaching:** During the end and the beginning of every semester, faculty council meeting is held and many useful feedbacks and suggestions are received. Exit feedback is also taken from faculty members who are leaving the job.



3. **Parents:** Every department arranges parent faculty interaction meetings and obtains feedback.
4. **Alumni:** During the annual Alumni meet, feedback is taken from Alumni members. Senior Alumni members who have reached the highest position in their career are also invited as the members of Board of Studies to get inputs in designing the curriculum design and formulating the academic regulations.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

YES

- Each department of the institute has enough freedom to express its own views while designing the curriculum. The HoD, who is the Chairperson of the BoS discusses with the faculty members and takes a collective decision in developing the curriculum from time to time. The departments can also introduce new electives for the benefit of the students.
- As per the suggestions of the departments, the institute procures machinery, instruments, software and other lab components.
- The institute expects good outcome of the programmes from each department. If a department suggests any best practices, they will be immediately approved by the institute.
- Freedom to the departments to organize various activities for overall development of the students.
- The institute extends its holistic support to take up any R&D work.
- Accountability is ensured through
 - i. Monitoring Students performance continuously
 - ii. Review of self-appraisal submitted by the faculty
 - iii. Monitoring the quality of teaching and learning process
 - iv. Mapping PEOs to the curriculum achievement.

6.2.11 Does the Institute conduct performance auditing of its various departments?

Yes, the institute periodically audits its various departments for monitoring their overall performance. Each department works to achieve the quality as per Quality Policy. IQAC audits the performance of various departments.

Annual assessment of performance of the faculty and non-teaching staff, number of R&D projects, number of seminars conducted, research publications, examination results, feedback, achievements of faculty & students, placements, and counseling system are the components of the performance audit of a department.

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What efforts are made by the College to enhance the professional development of teaching and non-teaching staff?

- The Institute encourages teaching faculty to register for Ph.D programmes to enhance their knowledge in subject domain.
- Conducts seminars, conferences, workshops on advanced technologies and Innovative teaching-learning strategies.
- Conducts training programmes on Pedagogy. NITTTR Chennai conducted a workshop on Pedagogy for the faculty members from 22 to 26 December 2014.
- Conducts in-house training programmes on English communicationskills and procedures in administration for non-teaching staff.
- Technical staff are sponsored to attend various workshops related to their area.
- Sponsors the faculty members to Management Capacity Enhancement Programme held in various IIMs to improve their administrative skills.
- Provides hands on training for non-teaching staff to improve their practical skills
- Introduces new equipment and softwares in various labs.
- Encourages the faculty to deliver guest lectures at other institutions.
- Sponsors the faculty for memberships in professional bodies.
- Facilitates the faculty members to take-up various roles in professional societies
- Sponsors the staff members for attending conferences, seminars and workshops with financial assistance

6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

The performance appraisal report gives the quantitative assessment of a staff on curriculum, co-curriculum and R&D activities, administrative and extracurricular activities.

- Performance appraisals of the staff are collected through online in a prescribed format and are used to identify their strengths and weaknesses. If the performance of a staff is found below the permissible level, the staff concerned is counseled, motivated and guided for better performance.
- Decision is taken for deputing the faculty members to pedagogy training, workshops and to additional training for the improvement of their teaching skills.
- Based on the performance appraisals, promotion and additional increments are granted to the faculty members and non-teaching staff.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefits of such schemes in the last four years?

Various steps have been taken for the welfare of the faculty members and non-teaching staff.

Table No: 6.3.3: List of staff welfare schemes

S.No	Welfare Measures	Utilization
1	EPF for non-teaching staff	80%
2	Free Laptop	35%
3	Free sim cards for the faculty	50%
4	Airtel 4G dongles and 4G Hotspots	50%
5	Fee Concession for the wards of the employees	3%
6	Financial support for attending Conferences, Seminars and Workshops in India	100%
7	Financial support for attending Conferences, Seminars and Workshops in abroad	01%
8	Medical Checkup & Reimbursement	10%
9	Traveling allowances	02%
10	Providing Newspapers	50%
11	Maternity leave	2%

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

- Provides all basic amenities for the comfortable stay at the institute during the working hours.
- Provides excellent research facilities and academic ambience for attracting and retaining senior faculty members.
- Highest salaries are paid for the faculty members with perks
- Preference for internal candidates in promotions
- Work load reduction for the faculty doing their Ph.Ds and research projects
- Incentives to the faculty members who have funded projects and consultancy works
- Maternity leave for women staff
- Encourages the faculty members to publish the papers in index journals
- Airtel CUG postpaid numbers, Airtel 4G dongles and 4G Hotspots are provided to the faculty members
- Reimbursement of 100% expenses to all faculty members for attending conferences, workshops and seminars.

6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

Yes, as per Govt. of Andhra Pradesh in centralized admission of all UG & PG courses 30% seats are reserved for girls. However, more than 30% of girl students are admitted in each branch based on their individual merit

Among the total faculty members, lady faculty members are 30%

6.3.6 Does the College conduct any gender sensitization programs for its staff?

Yes, the institute conducts gender-sensitized programs for the women staff of the institute. It is conducted every year for the teaching and the non - teaching staff of the institute.

- Competitions for women staff such as throw ball, tennikoit, tug - off war, Chess, Caroms are conducted.
- Prizes for the winners and the runners were also distributed on the women's day celebrations held on 08.03.2012.
- Conducted an awareness program on Health by inviting Dr. Asha Neeraja, gynecologist, Usha Hospitals, Madanapalle and Mrs. Sakunthala, Commissioner – Madanapalle Municipality as Chief guest on 08.03.2013.
- Conducted an Awareness Program on Being Safe! Strong! & Free! – Girls Students – by inviting Mrs. Chaya Srivatsava, Bangalore on 14.03.2014.

6.3.7 What is the impact of the University's UGC-Academic Staff Institute Programmes in enhancing competencies of the Institute faculty?

Affiliating University does not have Academic Staff Institute; however it conducts FDPs regularly on the emerging areas. Faculty members who have attended those programmes are transferring their updated knowledge to other faculty and students.

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

Two committees are constituted to monitor effective and efficient use of financial resources

1. Financial Committee:

- The Institute has separate finance committee as per UGC guidelines.
- The Financial committee meets every quarter. The financial committee looks in to the following aspects.
 - i. Budget approval
 - ii. Expenditure monitoring
 - iii. Major equipment purchases
 - iv. Scrutinizes the necessities of each department
 - v. Review the utilization of allocated funds of the previous year as per budget provisions.
 - vi. Appointment of internal auditors and external auditors

2. Management Committee:

Department level committee consists of HoD, senior faculty members and Lab-in charges. They prepare recurring and non-recurring expenditure for the departments for entire year. The annual budget with detail information is submitted to the Principal for further

approval.

- Senior Finance Officer finalizes all departments' requirements and the Institute's requirements after wide consultation with the Principal, HoDs and other committee members. Senior Finance Officer, Account Manager and Accountant prepare the institute level detailed budget and submit to the finance committee for the necessary approval.

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

Yes, the institute appoints internal and external auditors. The internal auditor makes the Quarterly Balance Sheet and it is verified by the external auditors by checking the vouchers and account books.

6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.

The Extract of Income and Expenditure of statements

Table No: 6.4.3: Details of income and Expenditure

Particulars	2011-12 (in rupees)	2012-13 (in rupees)	2013-14 (in rupees)	2014-15 (in rupees)	2015-16 (in rupees)
Source of funds	9,57,23,521	13,13,10,327	17,47,73,553	19,52,31,026	29,87,21,306
Utilization of funds	9,24,69,143	16,33,86,608	17,23,55,380	21,86,31,124	26,13,26,767

6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Yes, internal auditor and external auditor are auditing the Institute's accounts. There is no major audit objection.

6.4.5 Narrate the efforts taken by the Institute for resource mobilization.

- The primary source of funds is student fees
- The faculty members take up many funded projects and institutional overheads are utilized for the day-to-day research activities carried out in Recognized Research Centers.
- Seminars/workshops grants
- Consultancy works
- Training services in other institutions



6.4.6 Is there any provision for the College to maintain the ‘corpus fund’? If yes, give details.

Yes, the institute corpus fund is maintained by the Ratakonda Rangareddy Educational Academy. The needed amount is transferred to MITS account.

6.5 INTERNAL QUALITY ASSURANCE SYSTEM

6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

Yes. College conducts the Academic Audit on the following areas and accordingly, necessary formats are being supplied to the departments and the IQAC conducts the Academic Audit, twice in a year.

Sl. No.	Academic Audit Parameters	Frequency
01	Resources & Infrastructure	Twice in a year
02	Student’s Feedback on Curriculum	Twice in a year
03	Academic Status (HOD)	Twice in a year
04	Academic Status (Faculty)	Twice in a year
05	Overall Assessment (Department IQAC In-charge)	Twice in a year
06	Stock Verification	Once in a year

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

IQAC was formulated during June 2015 with a composition as per the norms of the NAAC. Since then four IQAC Meetings were conducted. As per the recommendations of the IQAC, the following measures were taken by the College:

- i. The departments have taken necessary initiation to update their syllabus as per the industrial needs. And, accordingly, BoS & Academic Council Meetings were conducted during 2014-15 & 2015-16 for updating the Curriculum for all UG & PG Programmes.
- ii. Training on Moodle platform is being conducted for both faculty & students
 - Moodle coordinators are being appointed for each department, to carry out the training the students and faculty from time to time
 - This team will also closely monitors whether the Syllabus, Handouts, Lecture



notes, videos, e-material, assignments are uploaded by each faculty. Further, it monitors for uploading of students' assignments and grading.

- iii. Massive Open Online Courses (MOOCs) were introduced in the curriculum as mandatory.
 - Accordingly, the students are opting one of the courses as Moocs in every semester from various Moocs Providers
 - So far, about 2000 students have completed their online courses through various providers.
- iv. From time to time, all departments are conducting remedial classes for academically poor students.
- v. Foreign languages like Japanese, German, Spanish are also introduced in the college, to improve the employability skills of the students.
 - About 150 students have attended & completed the foreign language courses
- vi. Students Quality Assurance Cell (SQAC) is also formulated in the college. The required notification is displayed through <http://mits.ac.in/assets/pdf/swc/Notification%201.pdf>.

The SQAC has the following major roles:

- Development & application of quality bench marks / parameters for the various academic activities of the college
- Dissemination of information on the various quality parameters of higher education. etc
- vii. Mentoring is being conducted effectively
- viii. Measures were taken to improve the English language skills through Dept. of English and accordingly, Oxford Achievers and BEC are introduced
- ix. Measures are being taken to conduct GATE classes for both pre-final and final year students.
 - GATE coordinators are being appointed for each department, to carry out the GATE coaching to the pre-final & final year students
 - This team will also closely monitors whether the Syllabus is being covered as per the schedule
 - Also, this team arranges for external resources to handle the GATE Classes for particular topics.
- x. Measures also taken to introduce the Industry Internship for final year students, through which the students will conduct their live projects in the industries and submit their project report to the department concerned for award of marks & credits.
- xi. As per the recommendations of the IQAC, college is also taking initiation to establish IoT, Big Data Analytics labs to meet the global challenges. Accordingly, departments concerned are preparing the syllabus.
- xii. Further, the college has also approved the recommendation of the IQAC for providing Credits to the BEC, TOEFL, IELTS etc. And, accordingly, the Dept. of English is taking initiation to introduce this in the coming academic year.
- xiii. Meetings are being conducted every fortnight by each department, to discuss on all academic related matters.



6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, Methodologies of operations and outcome?

The Institute Academic Council is constituted with the Principal as Chairman, Heads of all the departments, four experts from other organizations, three nominees from affiliating University and senior faculty of the institute as members.

Methodologies:

- i. The committee monitors and reviews the teaching learning process
- ii. It monitors the progress of academic activities.
- iii. It reviews the academic programs and regulations.

Outcomes:

- i. Syllabus, rules and regulations were revised in the academic year 2014-15
- ii. Semester system was introduced in first year
- iii. Students registered for MOOCs
- iv. Introduced Foreign Languages and Certificate Courses
- v. Internships in industries
- vi. Major projects in collaboration with industries
- vii. Research publication in reputed journals is mandated for PG students

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC has institutionalized the following strategies for quality assurance:

- i. Collection of Students' feedback twice in a semester:
 - The feedback would be collected from all students of this college through Online.
 - Based upon the Feedback given by the students, the HoD concerned, IQAC In-Charge / IQAC Coordinator will discuss with the faculty concerned for improvement of his/her strategies.
- ii. Conduction of Stakeholders meeting to understand the ground realities
 - Necessary initiation has been taken by the IQAC to convene the stake holders meetings with the Students, Parents, Faculties, Alumni, Management to take their opinion on Curriculum and other college activities.
- iii. Interactions with Class representatives & Class Teachers separately to resolve their issues
- iv. Conduction of Academic Audit for each faculty, HoD & Department on the Curriculum, Infrastructure & Resources
- v. Conduction of meetings with each department every fortnight, to discuss on various academic & administrative issues.
- vi. Collection of year planners (for conduction of various events), timetables from each department, so as to enable the departments to adhere to their time table throughout the year.
- vii. Monitoring of Course files, remedial class work, Moocs, GATE classes etc in regular intervals.



- Separate Coordinators for monitoring the Remedial Classes, Moocs & GATE are appointed.
- viii. An Instruction Division is opened to provide various workshops, trainings, Induction Programs, orientation classes etc to the faculty, to update their skills from time to time.
- ix. Mentoring processes is regularly being monitored.
- x. Necessary steps have been initiated to establish IoT, Big Data Analytics

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

YES

Significant contribution of external members

1. Strengthen the relationship between Industry and Institution
2. Use of ICT Tools in teaching and learning
3. Improve the placements
4. Quality awareness programmes

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

YES

- The percentage of pass and placements provided to the students of disadvantaged sections of society is under taken every year.
- Vigorous monitoring mechanism is adapted in incremental academic growth of the students.
- Effective system is being implemented to monitor the performance of the slow learners.
- Counseling, Remedial classes and make-up examinations are conducted for them.

6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centers, etc.?

The following committees have been constituted for the periodic review of administrative and academic Departments, subject areas and research

- Governing body
- Academic council
- IQAC
- Internal auditing and external auditing of administrative departments
- Academic auditing
- Research committees
- Examination monitoring committee

Any additional information regarding Governance, Leadership and Management, which the institution would like to include.

CRITERIA VII: INNOVATION AND BEST PRACTICES

7.1 ENVIRONMENT CONSCIOUSNESS

7.1.1 Does the College conduct a Green Audit of its campus?

The institute is giving importance for the development of eco-friendly environment on the campus. The Management allocated sufficient funds for developing the six existing gardens. There is no separate green audit until today. However, the institute puts lot of efforts towards establishment of eco-friendly campus environment.

- The Institute greenery area is covered with 100 big trees and 3000 plants spread across the campus.
- Organic manure is prepared in the campus using the waste materials and used for the plants
- The Institute provides bus transportation to the students and staff in order to reduce air pollution



COLLEGE GARDEN

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

* Energy conservation

- Replacement of existing bulbs and tubes with LED bulbs
- Provides solar lights in the gardens and along the roads
- Unnecessary usage of fans & lights is avoided
- Classrooms and laboratories have adequate natural lighting and ventilation.



- Steam cooking is used in the canteen to minimize fuel consumption.
- An Eco friendly generator has been set-up in the campus to reduce air pollution and noise pollution.

***Use of renewable energy**

- Installation of Solar power plant with a capacity of 150KW is under process
- A pilot model wind mill is installed to utilize the wind energy

***Water harvesting**

- Percolation ponds at four prominent places are constructed to improve the ground water.
- Wastage of water is avoided.
- Rain water collected from open terraces is stored in tanks and used in the gardens.
- Posters are exhibited to promote the save water and energy themes

***Efforts for Carbon neutrality**

- More trees are grown to absorb carbon dioxide
- To create a pollution free environment, vehicles are parked very close to the gate
- Waste material, dead leaves and papers are not allowed to fire on the campus
- All the solid waste is converted into compost by adopting composting process

***Plantation**

- Plantation programmes are organized regularly to ensure clean and green campus
- Varieties of flowering plants, fruit trees, ornamental plants and shrubs are grown.
- An awareness programme on Environmental Pollution and bio-diversity is conducted.
- Conference on bio-diversity
- A credited course on Environmental Science is included in the curriculum of all UG programmes.

*** Hazardous waste management**

- Use of plastic cups, glasses and covers is banned in the campus.

*** e-waste management**

- Outdated computer systems and components are sold to the vendors who treat and dispose the e-waste as per Central Pollution Control Board norms.
- Computers are purchased from the companies, which adopt the buyback system after stipulated period.



7.2 INNOVATIONS

7.2.1 Provide details of innovations introduced during the last four years, which have created a positive impact on the functioning of the College.

A number of innovative steps have been adopted to achieve the Vision of the institute and make it a Centre of Excellence. Any new idea, practice or technique proposed by the stakeholders is always appreciated, encouraged and implemented, if it is practically feasible.

a. Innovations in Academics

1. Introduced Outcome Based Assessment and Evaluation from academic year 2012-2013
2. Usage of NPTEL video lectures and open course ware of world class universities.
3. Subscribed e-journals, magazines and e-books from Science Directory, ASME, and IEEE, Science direct, Springer, J-GATE, N-LIST, DELNET and McGraw Hill.
4. Use of MOODLES for submission of assignments and providing course material to students.
5. Introduced full-time Ph.D programmes.
6. Separate R&D Cell and Industry Institute Interaction Cell are established to promote research and Institution Industry Interaction.
7. Introduction of Audit courses in curriculum to enhance self-learning of the students.
8. MOOCS with credits are made mandatory in all programmes.
9. All the UG programmes are accredited by NBA for a period of two years, i.e. 2013-15
10. The Institute got Autonomous status in the academic year 2014-15
11. World Bank Assistance Project TEQIP-II sanctioned 4 crores rupees in 2011 for academic excellence.
12. "URKUND" anti-plagiarism software is introduced to improve the quality of Research.
13. Incentives to the faculty members who have funded projects and are involved in consultancy services.

b. IT enabled teaching and learning services:

- Internet connectivity with Wi-Fi is enhanced from 45 mbps to 100 mbps
- NPTEL video courses and MIT courseware are available through digital library
- All the classrooms are provided with LCD projectors
- The Institute mail server provides effective communication between the staff and the students
- Automation of library with SOUL 2.0 software.



7.3 BEST PRACTICES

7.3.1 Give details of any two best practices, which have contributed to better academic and administrative functioning of the College.

Best Practice –I

Effective teaching-learning and information sharing using ICT

Objectives:

1. To enhance the active learning and teaching process
2. To create awareness on the latest developments in the higher education among the faculty and students
3. To change the teachers' role from conventional method of teaching to create inspired learning environment
4. To communicate the schedule of various activities being organized across the Institute.
5. To inform the academic progress of the students to the respective students and parents through Ez school.

Context:

The field of knowledge and skill sets required by an individual to lead a successful life has expanded. Added to those, challenges of pedagogy for the teachers to provide greater inputs to the students within stipulated time has increased.

The growth of the Information Communication Technologies (ICT) provides easier access to the knowledge by faculty and students. The information, knowledge available in various domains and channels are transferred to the respective parties with the use of ICT.

Process:

i) Massive Open Online Courses (MOOCs):

The institute in line with the developments in Learning Management Systems (LMS) intends to encourage the students to do online courses, named as MOOCs, offered internationally through edX, Udacity, Coursera, NPTEL or any other standard providers.

The main intention to introduce MOOCs is to obtain enough exposure through online tutorials, self-learning at one's own pace, attempt quizzes, discuss with professors from various universities and finally to obtain certificate of completion of the course from the MOOCs providers. This will in turn enhance the employability skills.

ii) MITS-Learning Management System

Similarly, the institute encourages the students to submit their assignments online, through Modular Object-Oriented Dynamic Learning Environment (MOODLE), an open source platform. To implement this effectively, Turnitin, an anti-plagiarism software is also plugged in to the MOODLE, so that students will be aware of plagiarism check. This

exercise is necessary for any student of the institute, irrespective of their programme and year of study.

iii) Urkund anti-plagiarism software

Licensed Turnitin anti-plagiarism software is also provided for each student of the institute, so that they can check their research papers, project works of their own before the submission to any journal. Dean-RRC monitors the plagiarism activities.

iv) MITS-Communication:

A team comprising Senior Manager, Communications, Asst. Manager, and Communications would gather the latest developments in higher education including the policies of the regulating bodies and government and the segregated information would be mailed through MITS-Communication to all the relevant groups of MITS. This was made possible because all the faculty and students are provided individual mail ids in the institute domain (mits.ac.in)

v) Principal Communication:

All the official communication (curricular and extracurricular) are circulated through Principal's Communication with the help of two staff from the Principal's office.

vi) Ez School:

Ez School is an education ERP solution. It is used to upload the student progress in terms of attendance, marks etc., and informs the same to their parents through sms every day. All the faculty are given individual user name and password to upload the attendance and marks regularly.

Impact:

1. Exposure to world class university course materials and videos
2. Updated knowledge of the students in their domains
3. Enhanced interaction between the students and faculty members
4. Increased originality in preparing the research papers and project theses
5. Improved career planning of the students
6. Enhanced student participation in college developmental activities.
7. Improved student attendance and academic progress.
8. Inspired students with the achievements of their friends and faculty.

Resources required:

1. LMS and anti-plagiarism software
2. ICT tools
3. Intranet, Internet and Wi-Fi
4. Proactive and dynamic learning of the stakeholders
5. Ez School Software



Best practice- II

Faculty Skill Enrichment Programme

Objectives:

1. Enhance the capacity of leaders and managers of the institution at all levels
2. Impart good governance practices among faculty
3. Enable expansion of peer network and academic collaboration
4. Fostering the learning of new skills and knowledge

Context:

The field of education is transforming rapidly not only due to changes in technology but also due to ideological developments. The faculty are expected to multitask and display leadership qualities.

In order to enable faculty to manage diverse tasks with varying priority levels managerial and leadership skills need to be imparted. Additionally, the faculty need to update themselves on the developments and changes taking place in their respective fields. Further in the current context faculty need to have an extensive peer network so that they can be effective not only in teaching but also in research.

Process:

A team of heads of departments will deliberate and identify the kinds of management and leadership training that are needed to be imparted to the institution's faculty. Further they will identify the areas of skill and knowledge where new developments are taking place.

The team will approve the group of faculty to be sent for skill enrichment programmes. Based on the approval the management will release the expenses involved.

The returning faculty will make a presentation on the training undergone by them and transfer their knowledge and skills to the rest of the faculty

Impact:

1. 90% of the faculty who attended the TEQIP MCEP have taken up administrative positions and their performance ever since has been found to be very good
2. There is an increase in the peer and professional network
3. The participation of faculty in various FDP, Conferences, and other academic conclaves have helped in the increase of number of funded projects and publications

Resources required:

- Identification of the right kind of programme to participate in
- Financial resources for attending the programmes



Best practice- III

Social Responsibility

Objectives:

1. To imbibe service motive in the tender minds students
2. Develop empathy and concern for villages in the vicinity among students and faculty
3. To help students and faculty understand the importance of human life and human relations
4. To respect elders and do service to the parents at old age

Context:

Present Education system becomes more of a tradable business and profit making venture due to globalization. However, Education must play vital role in shaping the students. Students are being groomed to be professionals to capture the lucrative jobs in the industry. Holistic development of students cannot be achieved without imbibing moral values. Experts do believe that major cause for unrest in individual and deterioration of conditions in society is due to lack moral values among students and the youth. Students are very sensitive. They are fast enough to copy their teachers, parents and other elements in the society. Hence, students must be taught the importance of honesty, hard work, disciplined life, respect for others, co-operation, service and significance of human values.

Process:

Every month at least one social activity is planned in the form of visit to old age homes, orphanages or school for mentally challenged on a Sunday or a Saturday. About 50 interested students from various classes along with faculty members and non-teaching staff visit one of the above with the prior approval of the concerned institution. The Institute provides free bus service and required money for donating food and other essential items.

In addition, the institute collaborates with local authorities for the betterment of living conditions. For instance, CCTV cameras were provided for improved security and surveillance at strategic places suggested by the local police in Angallu Village.

Moreover, the institute has distributed metal suitcases through the local Social Welfare Office. Further the institute has distributed furniture to government schools in the vicinity.

Apart from this the institute conducts awareness camps on communicable diseases and distributes medicines free of cost to villagers.



Impact:

1. Noticeable changes in behavior and attitude of beneficiaries (students) is evidenced as some of the institute's students distribute sweets to orphanages on special occasions like birthday, success in exams and placements.
2. Students organize and execute similar programmes independently by collecting donations
3. Students donate money and old clothes themselves to children of orphanages

Resources required:

- The most important resource required is commitment and attitude of the human resource deployed which motivates students, faculty members and non-teaching staff
- The financial resource for food and other essential goods are obtained from management.
- Free bus facility from town to the place of visit.
- All resources required to execute such a programme are available with the institute

Evaluative Report of Civil Engineering Department

1. Name of the Department & its year of establishment:
Civil Engineering & 2014
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D, Integrated Masters; Integrated Ph.d., etc.)

UG- B.Tech (Civil Engineering)

3. Interdisciplinary courses and departments involved

S.No	Subject Name (Code)	Semester	Department Involved
1	Functional English(14ENG11T01)	I Year I Sem	English
2	Advanced Calculus(14MAT11T01)	I Year I Sem	Mathematics
3	Engineering Physics(14PHY12T01)	I Year I Sem	Physics
4	Environmental Science (14CHE11T02)	I Year I Sem	Chemistry
5	Basic Electrical & Electronics Engineering (14EEE12T01)	I Year I Sem	EEE
6	Physics Practicals(14PHY12P01)	I Year I Sem	Physics
7	Computing Practical's (14CSU11P01)	I Year I Sem	CSE
8	Workshop Practice (14ME12P01)	I Year I Sem	ME
9	Technical Report Writing (14ENG12T02)	I Year II Sem	English
10	Linear Algebra & Complex Analysis(14MAT12T02)	I Year II Sem	Mathematics
11	Engineering Chemistry (14CHE11T01)	I Year II Sem	Chemistry
12	Computer Programming (14CSU12T01)	I Year II Sem	CSE
13	Engineering Graphics(14ME11T01)	I Year II Sem	ME
14	Chemistry Practical's (14CHE11P01)	I Year II Sem	Chemistry
15	Computer Programming Practicals (14CSU12P02)	I Year II Sem	CSE
16	Differential Equations & Laplace Transforms (14MAT21T03)	II Year I Sem	Mathematics
17	Principles of Economics (14HUM21T01)	II Year I Sem	Humanities
18	Effective Public Speaking (14ENGAU01)	II Year I Sem	English
19	Creative Writing (14ENGAU02)	II Year I Sem	English
20	Entrepreneurship Development (14HSSAU01)	II Year I Sem	Humanities
21	Introduction to Intellectual Property Rights (14HUM302)	II Year I Sem	Humanities
22	Data Analysis Using R (14CSE301)	II Year I Sem	CSE
23	Probability & Statistics (14MAT22T04)	II Year II Sem	Mathematics
24	Principles of Management (14HUM102)	II Year II Sem	Humanities
25	Soft Skills (14ENG103)	III Year I Sem	English



26	Professional Ethics (14HUM401)	III Year I Sem	Humanities
27	Multimedia Computing (14CSU403)	III Year I Sem	CSE
28	Artificial Intelligence (14CSU402)	III Year I Sem	CSE
29	Power Plant Engineering (14ME402)	III Year I Sem	ME
30	Phonetics and Spoken English (14ENG303)	III Year I Sem	English
31	Introductory Psychology (14ENG304)	III Year I Sem	English
32	Ethical Hacking (14CSUAU01)	III Year I Sem	CSE
33	Business Ethics and Corporate Governance (14BMA301)	III Year I Sem	MBA
34	National Service Scheme (NSS)(14HUM303)	III Year I Sem	Humanities

4. Annual / semester / choice based credit system: **Semester system**

5. Participation of the department in the courses offered by other departments

S.No.	Name of the Course	Programme/ Year/Semester	Department Offered
1	Engineering Graphics	B.Tech / I-I	ECE, CSE, ME
2	Mechanics of solids	B.Tech / II-I	ME
3	Fluid Mechanics	B.Tech / II-II	ME
4	Rural water supply and sanitation (Open Elective)	B.Tech / III-I	ME,CSE,EEE,ECE

6. Number of teaching posts sanctioned and filled (Professors / Associate Professors / Asst. Professors)

	Sanctioned	Filled
Professors	1	1
Associate Professors	-	-
Assistant Professors	4	4

7. Faculty Profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. / Ph.D./ M.Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of years experience	No. of Ph.D Students guided for the last 4 years
1	Dr. M. Chittaranjan	M.Tech, Ph.D.	Professor	Geotechnical Engineering	12	Nil
2	Dr. D. Sita Rami Reddy	M.Tech Ph.D.	Assistant Professor	Transportation Engineering	0.25	Nil

3	Mr. N. Amaranatha Reddy	M.Tech (Ph.D.)	Assistant Professor	Offshore Structures	7.25	Nil
4	Mr. R. Raghavendra Kumar	M.Tech	Assistant Professor	Construction Engineering and Project Management	1	Nil
5	Mr. S.S.Y. Ganesh	M.Tech	Assistant Professor	Earthquake Engineering	0	Nil

8. Percentage of classes taken by temporary faculty – programme – wise information:
NIL

9. Programme-wise student teacher ratio: **15:1**

10. Number of academic support staff (technical) and administrative staff sanctioned and filled

	Sanctioned	Filled
Administrative Staff	01	01

11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) total grants received. Mention names of funding agencies and grants received project –wise.

a) Grants Received from National Funding agencies :**NIL**

b) Grants Received from International Funding agencies :**NIL**

c) Total grants received. Mention names of funding agencies and grants received project-wise :**NIL**

12. Departmental projects funded by DST-FIST:DBT, ICSSR,etc. total grants received:
NIL

13. Research facility / centre with

State recognition:Andhra Pradesh State Skill Development Center, URL:

<http://apssdc.in>

National recognition: Registered as Scientific & Industrial Research Organization by DSIR and DST

International recognition:**NIL**

14. Publications / Conferences:

Number of papers published in peer reviewed journals (national / international):13
(National: 02 and International: 11)

*Monographs: Nil

*Chapter (s) in Books: Nil

* Editing Books: Nil

* Books with ISBN numbers with details of publishers: **Nil**

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 01

* Citation Index – range / average: Nil

* SNIP: 0.197-0.629

* SJR: 0.141-0.274

* Impact factor – range / average: 0.563 -2.0

* H-index: 3 (Google Scholar)

15. Details of patents and income generated: **Nil**

16. Areas of consultancy and income generated: **Nil**

17. Faculty recharging strategies

- Organizing the Faculty Development Programmes on latest technologies
- Sponsoring the faculty for attending the faculty development programmes /conferences and seminars
- Free laptops with internet dongles to the doctorates
- Free Airtel sim card and free daily newspaper The Hindu to the doctorates

18. Student Projects :

Percentage of students who have done in-house projects including inter-departmental: **Nil**

Percentage of students doing projects in collaboration with industries/institutes: **Nil**

19. Awards / recognitions received at the national and international level by Faculty : **Nil**

20. Seminars / Conference / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

1. A Guest Lecture on "Recent Advances in Concrete Technology" organised by Dept. of Civil ON 05-10-2016 by resource person Dr. N. Krishna Murthy organized by Dept. of Civil on 05-10-2016 under TEQIP-II.
2. A Guest Lecture on "Sustainability in Road Infrastructure & Career Opportunities in Transportation Engineering" by resource person Prof. Amaranatha Reddy organized by Dept. of Civil on 17-09-2016 under TEQIP-II.



3. A Guest Lecture on "Smart City Development" by resource person Dr. Majumdar Pradeep Kumar organized by Dept. of Civil on 09-08-2016 under TEQIP-II.
4. A One day workshop on "Advanced Surveying Methods" was organized by Department of Civil on 04-04-16 under TEQIP-II.

21. Student profile course – wise

S. No	Name of the Course (refer question no.2)	Year of Admission	Applications received	Selected		Pass percentage	
				Male	Female	Male	Female
1	B.Tech (2014-18)	2014-15	-	49	10	NA	NA
		2015-16 (LE)		07	02		
2	B.Tech (2015-19)	2015-16	-	49	10	NA	NA
		2016-17(LE)		08	06		
3	B.Tech (2016-20)	2016-17	-	49	06	NA	NA

22.Diversity of Students

Name of the Course	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech Civil 2016-17	-	98.15%	-	1.85%
B.Tech Civil 2015-16	-	100%	-	-
B.Tech Civil 2014-15	-	98.5%	-	1.5

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? **NIL**

24. Students Progression: Not Applicable

Student Progression	Percentage against Enrolled
UG to PG	NIL
PG to M.Phil.	NIL
PG to Ph.D	Nil
Ph.D to Post-Doctoral	NIL
Employed Campus Selection	NIL
Other than campus recruitment	NIL
Entrepreneurs	NIL

25. Diversity of Staff

Percentage of faculty who are graduates (based on M.Tech/ME)	
of the same parent university	14.29%
From other universities within the state	14.29%
From other universities from other states	71.42%



26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S.No.	Name of the faculty	Qualification	Year of completion	University
1.	Dr. M.Chittaranjan	Ph.D.	2013	S.V.University
2.	Dr. Sita Rami Reddy	Ph.D.	2016	IIT Kharagpur

27. Present details about infrastructural facilities

- (a) Library : Yes
 (b) Internet facilities for staff and students: Wi-Fi connectivity with a bandwidth of 100mbps
 (c) Total number of class rooms: 03
 (d) Class Rooms with ICT facility: 03
 (e) Students Laboratories: 05
1. Fluid Mechanics Laboratory
 2. Strength of Materials Laboratory
 3. Surveying Laboratory
 4. Concrete Technology Laboratory
 5. Highway Engineering Laboratory
- (f) Research laboratories: NIL

28. Number of students of the department getting financial assistance from the college. NIL

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology? NA

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning evaluation? If yes, how does the department utilize it?

- The department obtains feedback from faculty on curriculum as well as teaching learning-evaluation. Based on the feedback the curriculum and teaching-learning process is discussed with subject experts and experienced faculty.
- The outcome of the feedback form is discussed during the department faculty meeting.



- In case, any change is found to be reasonable, the department takes necessary steps to rectify the drawbacks through the Board of Studies and Academic Council.

b. Students on staff, curriculum as well as teaching – learning-evaluation and what is the response of the department to the same?

- Department periodically collects feedback from the students on staff and teaching learning evaluation.
- Feedback is thoroughly studied by the department and if any drawback is found, the same is discussed with the faculty concerned.
- The faculty was insisted to change the method of teaching-learning process if it is found to be uncomfortable for the student.
- Class committee meeting is conducted once in every month where the faculty and selected student discuss on staff and teaching learning evaluation. The report is then submitted to the department and necessary action is taken on the report.

c. Alumni and employers on the programmes and what is the response of the department to the same? **NA**

31 .List the distinguished alumni of the department (maximum 10): **NA**

32. Give details of student enrichment programmes (special lectures / workshops /seminar)with external Experts:

i. Guest lectures on advanced technologies

- A Guest Lecture on "Recent Advances in Concrete Technology" organised by Dept. of Civil ON 05-10-2016 by resource person Dr. N. Krishna Murthy organized by Dept. of Civil on 05-10-2016 under TEQIP-II.
- A Guest Lecture on "Sustainability in Road Infrastructure & Career Opportunities in Transportation Engineering" by resource person Prof. Amaranatha Reddy organized by Dept. of Civil on 17-09-2016 under TEQIP-II.
- A Guest Lecture on "Smart City Development" by resource person Dr. Majumdar Pradeep Kumar organized by Dept. of Civil on 09-08-2016 under TEQIP-II.
- A One day workshop on "Advanced Surveying Methods" was organized by Department of Civil on 04-04-16 under TEQIP-II.

ii. Exhibitions on equipment and materials

- a) An exhibition on “Building Materials Day” conducted on 2nd November,2016
 - b) An exhibition on “Building Materials Day” conducted on 17th November,2015
- iii. Field visits
- a) Field visit for II year students (2014-18 Batch) to Kalyani Dam, Tirupati, on 31-03-2015
 - b) Field visit for III year students(2014-18) to water treatment plant and waste water treatment plant near Tirupati on 20-10-2015
 - c) Industrial Visit to Inter National Exhibition (ACE TECH) at Bangalore for II year students (2015-19 Batch) on 22-10-2016
 - d) Industrial Visit to Inter National Exhibition (ACE TECH) at Bangalore for II year students (2014-18 Batch) on 23-10-2016

Field visit for II year students (2015-19 Batch) to Handri Neeva Srujala Sravanti Canal and Adavipalli Reservoir near Piler., on 27-10-2016

33. List the teaching methods adopted by the faculty for different programmes.

- Using traditional method i.e chalk and board
- Using ICT
- Online assignments using MOODLEs
- Field visits for different construction sites
- On spot demonstration
- Exhibitions
- QEEE Classes

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The Programme Educational Objectives (PEO) are broad statements that describe the career goals and professional success that the programme is preparing the graduates to achieve. The programme educational objectives should be consistent with the mission of the institution and achievable. The number of programme educational objectives should be minimum, specific to the programme and complete in all aspects. These are derived based on the feedback obtained from the various stakeholders of the programme and professional bodies.

Learning outcome are monitored using the following methods

- Mid examination,
- Assignments through MOOCS,
- Internal Class tests
- Quizzes
- Projects works

35. Highlight the participation of students and faculty in extension activities.

(i) Events Organized by the Department

S.No	Date	Event name	Objective of the Program	Chief Guest	Students participated
1	17/11/2015	Building Materials Day	<ul style="list-style-type: none"> To enhance the knowledge and communication skills of students Identify different building materials processing and technical aspects of the materials. Understand availability of the materials within the region and know approximate cost of the materials. 	Principal of MITS and Sri A. Sreenivasulu Naidu (Site Engineer, MITS)	300
2	15/09/2015	Engineers Day	<ul style="list-style-type: none"> To enhance the knowledge, communication skills, creativity and innovative thinking in students 	Sri S. Haribabu Retired Executive Engineer, Anantapuram	200
3	12/04/2016	National Level Students' Symposium-CITA'16	<ul style="list-style-type: none"> To enhance organization, managerial, communication and technical skills 	Dr. C Sasidhar, Professor in Civil Engineering, JUTUA, Anantapuramu.	300
4	20/03/2016	Charity Event	<ul style="list-style-type: none"> To inculcate the habits of social service and to help orphans of different age groups 	Chaitanya Sravanti Orphanage, Madanapalli	63

**(ii) Department Participation in National Service Scheme Activities****National Service Scheme Activities Done For the Academic Year 2014-2015**

Year	NSS Activities	Students Participated
2014-2015	<ul style="list-style-type: none"> ➤ MITS - NSS Unit organized Swachh Bharat in college premises and nearby village Angallu on 14-10-2015. MITS - NSS Unit organized The National Service Scheme Day was celebrated in the college on 24th September. ➤ MITS - NSS unit organized a MEGA BLOOD DONATION CAMP on 29th October, 2015 in association with SVR HOUSING BANGALORE & BOGA PARVATHAMMA MEMORIAL BLOOD DONATION SERVICE ORGANISATION in MITS Campus. ➤ MITS - NSS unit organized World Peace Day on September 21 ➤ MITS - NSS unit organized World First Aid Day "Save Life" on 14 September. ➤ MITS - NSS unit organized World Anti - Suicide Day "Life Matters" on 10 September. ➤ MITS - NSS unit organized Training Program for Girl Students "SELF DEFENCE" on 9th - 10th September. ➤ MITS - NSS unit organized "International Literacy Day" Celebrations in the Zilla Parishad High School, Angallu - the adopted village under transformation by MITS on 8 September. ➤ MITS - NSS unit organized "The Mega Medical Health Camp" on 6 August. ➤ MITS - NSS unit organized an awareness programme on SWINE FLU along with the free distribution of Homeo Medicine as a preventive measure to curb the menace of spreading Swine Flu in Angallu Village on 9th February. 	NSS Volunteers P.Vijaya T.Manasa G. Pushpavati P. SafiaValli G. Sailkrupa P. Ashok Kumar
2015-2016	<ul style="list-style-type: none"> ➤ MITS - NSS Unit organized "NCC Awareness Programme" on 25-10-2016. ➤ MITS - NSS Unit organized "Global Hand Washing Day" on 15-10-2016. ➤ MITS - NSS Unit organized A.P.J. Abdul Kalam Birthday Celebrations on 15-10-2016. ➤ MITS - NSS Unit organized Three day session on "Relaxation & Meditation" on 05-07 October 2016. ➤ MITS - NSS Unit organized Gandhi Jayanti Celebrations on 02-10-2016. ➤ MITS - NSS Unit and Rotary club, Madanapalle, organized Blood Donation Camp on 29-09-2016. ➤ MITS - NSS Unit organized Homeo tablets distribution for dengue prevention in Madanapalle, Angallu and Kurubalakota 	



	<p>on 28-09-2016.</p> <ul style="list-style-type: none"> ➤ MITS - NSS Unit organized National Service Scheme (NSS) Day Celebrations:- Service to Humanity is Service to god on 24-09-2016. ➤ MITS - NSS Unit organized Rally on "Eradication of Menace of mosquitoes" on 23-09-2016. ➤ MITS - NSS Unit organized "World Peace Day" on 21-09-2016. ➤ MITS - NSS Unit organized "Tree Plantation" event at Angallu on 18-09-2016. ➤ MITS - NSS Unit organized "International Literacy Day" at Z.P. High School, Angallu on 08-09-2016. ➤ MITS - NSS Unit organized "Teachers' Day celebrations - 2016" on 05-09-2016. ➤ MITS - NSS Unit organized Govt. of Andhra Pradesh "Vanam - Manam (Plantation of One Crore Plants)" Programme on 11-08-2016. ➤ MITS - NSS Unit organized "Quit India Day" Celebrations on 9th Aug 2016. ➤ MITS - NSS Unit organized "Awareness & Training Programme" on AP State Govt. Socio Economic Survey for Engg. Students on 6-8-2016. ➤ MITS - NSS Unit organized "Tree Plantation" in collaboration with EENADU on 12-07-2016. ➤ MITS - NSS Unit organized "Second International Yoga Day" was celebrated at MITS, Madanapalle on 21st June 2016. ➤ MITS - NSS Unit organized "Blood Donation Programme" on 17 March 2016. ➤ MITS - NSS Unit organized "National Science Day Celebrations" on 28 February 2016. ➤ MITS - NSS Unit organized celebrations of 153 Birth Anniversary of Sri. Swami Vivekananda on 12th January 2016. 	
--	--	--

(iii) Participation of Students in Events conducted by home and other colleges

LIST OF EXTRA CURRICULAR ACTIVITIES

S.No	Student Name	Event Conducted By	Event details	category	Prize/Participated
1	V. Mohith Raju	Mits, Madanapalle	Photon'15	Volunteer	-
2	E. Sai kumar Goud	Mits, Madanapalle	Ashv-15	Pic-O-Rama	Participated
3	E. Sai kumar Goud	MITS, Madanapalle	Engineers' day	Drawing	3 rd Prize
4	E. Sai kumar Goud	SVNE, Tirupati	Mohana Mantra	Art Attack	1 st Prize



5	E. Sai kumar Goud	SVNE, Tirupati	Mohana Mantra	Art Gallery	Participated
6	V. Mohith Raju	JNTUA, Pulivendula	Yantra 2K15	Short film	2 nd Prize
7	E. Sai kumar Goud	MITS, Madanapalle	Ashv-16	T-Shirt painting	2 nd Prize
8	E. Sai kumar Goud	SVNE, Tirupati	Mohana Mantra	50-50	Participated
9	P. Safia Valli	MITS, Madanapalle	Ashv-16	Haute Couture-Bridal	Participated
10	P. Safia Valli	MITS, Madanapalle	Ashv-16	Chef's Corner	2 nd Prize
11	P. Vijaya	MITS, Madanapalle	Ashv-16	Chef's Corner	2 nd Prize
12	P. Vijaya	MITS, Madanapalle	Ashv-16	Haute Couture-Bridal	1 st Prize
13	V. Mohith Raju	GPPE, Kurnool	Kalanjali 2014	Short film	Participated
14	V. Mohith Raju	MITS, Madanapalle	Ashv-15	Globe Theatre	Participated
15	G. Pushpavathi	MITS, Madanapalle	National Service Scheme Day	-	Participated
16	P. Safia Valli	Boga Paravathamma Blood Donation Service Organisation	Blood Donation Camp	-	Participated
17	P. Safia Valli	MITS, Madanapalle	Photon' 15	Volunteer	Participated
18	G. Sai Krupa	MITS, Madanapalle	Photon' 15	Volunteer	Participated
19	G. Sai Krupa	MITS, Madanapalle	National Service Scheme Day	-	Participated
20	T. Manasa	MITS, Madanapalle	National Service Scheme Day	-	Participated
21	P. Vijaya	MITS, Madanapalle	National Service Scheme Day	-	Participated
22	P. Safia Valli	MITS, Madanapalle	National Service Scheme Day	-	Participated
23	E. Sai Kumar Goud	MITS, Madanapalle	Ashv-16	Pic-O-Rama	3 rd Prize

LIST OF EXTRA CO-CURRICULUM ACTIVITIES

S.No	Student Name	Event Conducted By	Event Details	Category	Prize/Participant
1	T.Manasa	MITS, Madanapalle	Engineers' day	Elocution	Prize
2	P.Vijaya	MITS, Madanapalle	Engineers' day	Essay writing	Prize
3	P.Safia valli	MITS, Madanapalle	Cita'16	Poster presentation	3rd prize
4	A.Venkatesh	MITS, Madanapalle	Cita'16	My dream home	-
5	P.Ashok kumar	MITS, Madanapalle	Cita'16	Paper presentation	Consolation
6	G.pushpavathi	MITS, Madanapalle	Cita'16	Poster presentation	-
7	E.Sai kumar goud	MITS, Madanapalle	Cita'16	My dream home	-
8	T.manasa	MITS, Madanapalle	Cita'16	Paper presentation	-
9	P.Praveen kumar	Vit university	Total station	-	-
10	B.Rahul	Vit university	Total station	-	-
11	K.Bhavani sankar	Vit university	Total station	-	-
12	C.K Yalla prasad	Vit university	Total station	-	-



13	S.Pranay kumar	Vit university	Total station	-	-
14	A.Venkatesh	Vit university	Total station	-	-
15	P.Ashok kumar	Vit university	Total station	-	-
16	V.Mohit raju	Vit university	Total station	-	-
17	M.Ravi teja	SVCET, Chittoor	Cad-o-mania	-	-
18	P.Ashok kumar	MITS, Madanapalle	Engineers' day	Project exhibition	3rd prize
19	G.Sai krupa	MITS, Madanapalle	Engineers' day	Project exhibition	Participated
20	P.Vijaya	MITS, Madanapalle	Engineers' day	Project exhibition	Participated
21	L.Sai teja	MITS, Madanapalle	Engineers' day	Project exhibition	Participated
22	T.Manasa	MITS, Madanapalle	Engineers' day	Presentation	3rd prize
23	G.Sai krupa	GPREC, Kurnool	Jignasa 2016	Auto cad	-
24	G.Sai krupa	GPREC, Kurnool	Jignasa 2016	Poster presentation	-
25	G.Sai krupa	GPREC, Kurnool	Jignasa 2016	Total station	-
26	A.Venkatesh	GPREC, Kurnool	Jignasa 2016	Poster presentation	-
27	A.Venkatesh	GPREC, Kurnool	Jignasa 2016	Auto cad	-
28	A.Venkatesh	GPREC, Kurnool	Jignasa 2016	Total station	-
29	S.Surekha	GPREC, Kurnool	Jignasa 2016	Total station	-
30	S.Surekha	GPREC, Kurnool	Jignasa 2016	Auto cad	-
31	S.Surekha	GPREC, Kurnool	Jignasa 2016	Poster presentation	-

36. Give details of “beyond syllabus scholarly activities” of the department.

- Field and industrial visits
- Guest lectures
- Building Materials Exhibition
- Students National Level Symposium (CITA'16)
- Workshops

37. State whether the programme /department is accredited / graded by other agencies. Give details.

NA

38. Detail any five strengths, weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Well qualified and dedicated faculty members with sufficient experience
- TEQIP support for faculty development programmes
- Online e-resources
- Capable faculty to develop research projects and obtain funds from funding bodies.
- Opportunity to change the curriculum and syllabus according to the industry needs.

**Weakness:**

- As the institute is established in rural area, the majority of the students come into the institute from rural background and with local communication. Therefore, it is necessary to put extra effort to bring the students to the level of technical education.
- As the department and the institute are growing at the moment the labs are established as per curriculum needs. However, there is a need to establish the labs to reach the level of research.
- Newly establishing department
- No alumni support to the department

Opportunities:

- Opportunity to develop modern state of the art laboratories to support R&D and consultancy
- Scope for imparting hands on experience on latest equipment
- Encouraging the faculty and students to undertake funded projects
- Student and Faculty exchange programs with national and international Institutes and Universities.

Challenges

- 100% results in examination
- Make the students for industrial ready
- Industry and Institute relationship
- Entrepreneurship skills

39. Future Plan of the Department

- Offers PG programme in various specializations
- Recognized Research Centre
- Training, testing and consultancy cell
- Advanced building technology center

Evaluative report of Electrical and Electronics Engineering

1. Name of the Department & its year of establishment:
Electrical and Electronics Engineering & 1998
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme	Course
UG	B.Tech(Electrical and Electronics Engineering)
PG	M.Tech(Electrical Power Systems)
	M.Tech(Solar Power Systems)
Ph.D.	All thrust areas in Electrical and Electronics Engineering

3. Interdisciplinary courses and departments involved

S. No.	Name of the Course	Programme/ Year/Semester	Department Involved
1	Functional English	B.Tech / I-I	English
2	Advanced Calculus	B.Tech / I-I	Mathematics
3	Engineering Physics	B.Tech / I-I	Physics
4	Environmental Science	B.Tech / I-I	Humanities
5	Technical Report Writing	B.Tech / I-II	English
6	Linear Algebra & Complex Analysis	B.Tech / I-II	English
7	Engineering Chemistry	B.Tech / I-II	Chemistry
8	Computer Programming	B.Tech / I-II	CSE
9	Engineering Graphics	B.Tech / I-II	ME
10	Differential Equations & Laplace Transforms	B.Tech / II-I	Mathematics
11	Principles of Economics	B.Tech / II-I	Management
12	Probability & Statistics	B.Tech / II-II	Mathematics
13	Principles of Management	B.Tech / II-II	Management
14	Microprocessors & Interfacing	B.Tech / II-II	ECE
15	Object Oriented Programming	B.Tech / III-I	CSE
16	Microelectronic Circuits	B.Tech / III-I	ECE
17	Soft Skills	B.Tech / III-II	English
18	Analog & Digital VLSI Design	B.Tech / III-II	ECE
19	Digital Signal Processing	B.Tech / III-II	ECE

4. Annual/ semester/choice based credit system: Semester system /choice based
5. Participation of the department in the courses offered by other departments

S.No.	Name of the Course	Programme/ Year/Semester	Department Offered
1	Basic Electrical & Electronics Engineering	B.Tech / I-I	CE
2	Basic Electrical & Electronics Engineering	B.Tech / I-I	ME
3	Basic Electrical & Electronics Engineering	B.Tech / I-II	ECE
4	Basic Electrical & Electronics Engineering	B.Tech / I-II	CSE



5	Electrical Machines	B.Tech / II-I	ECE
6	Electrical Engineering Practical	B.Tech / II-II	ME

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	01	01
Associate Professors	07	07
Assistant Professors	18	17

7. 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. B. Rama Kumar	Ph.D.	Professor	Power Systems	29 Years	Not Applicable
2	Dr. R. Rajkamal	Ph.D.	Assoc. Professor	Electrical Drives and Embedded Control	16 Years	Not applicable
3	Dr. M. Vaigundamoorthi	Ph.D	Assoc. Professor	Power electronics and Drives	14	Not applicable
4	Dr. A. Anbarasan	Ph.D.	Assoc. Professor	Power Systems	12 Years	Not applicable
5	Dr. K. Rajangam	Ph.D.	Assoc. Professor	Power Electronics and Drives	17 Years	Not applicable
6	Dr. Rajendra Prasad Narne	Ph.D.	Assoc. Professor	Power Systems	7 Years 4 Months	Not applicable
7	Dr. C. Kamal Basha	Ph.D.	HOD	Control Systems	12 Years	Not applicable
8	Dr. A. Sudhakar	Ph.D.	Sr. Asst Professor	Power and Industrial Drives	10 Year	Not applicable
9	Dr. P. Chandra Babu Naidu	Ph.D.	Sr. Asst Professor	Power Electronics	5 Years	Not applicable
10	Mr. K. Arul Kumar	M.Tech.,	Asst. Professor	Power	5 Years	Not



		(Ph.D.)		Electronics		applicable
11	Mr.Manjunath	M.E., (Ph.D)	Asst. Professor	Power systems	5 Years	Not applicable
12	Mr. D. Chinnakullay Reddy	M.Tech.,(P h.D.)	Asst. Professor	Power Electronics	8 Years	Not applicable
13	Mr. K. V. Satheesh Babu	M.Tech., (Ph.D.)	Asst. Professor	Power Systems	7 Years	Not applicable
14	Mr. K. Vasu	M.Tech.(Ph .D.)	Asst. Professor	Instrumentation and Control Systems	6 Years	Not applicable
15	Mr. B. Chandra Sekhar	M.Tech	Asst. Professor	Power Systems	7 Years 3 months	Not applicable
16	Mr. G. Ravi Prakash	M.Tech	Asst. Professor	Power Systems	4 Years	Not applicable
17	Mr. M. Lokesh	M.Tech	Asst. Professor	Power and Industrial Drives	7.5 Years	Not applicable
18	Mr. M. Kishore	M.Tech	Asst. Professor	Power Electronics and Drives	3 Years	Not applicable
18	Mr. V. B. Thurai Raaj	M.E	Asst. Professor	Power Electronics and Drives	6 Years	Not applicable
19	Mr. B. M. Rama Murthy	M.Tech.	Asst. Professor	Power Systems	5 Years	Not applicable
20	Ms. G. S. Bharathi	M.Tech.	Asst. Professor	Power Electronics and Drives	1Years 9 months	Not applicable
21	Ms. A. Chandrakala	M.Tech.	Asst. Professor	Power Systems	1 Year 8 months	Not applicable
22	Mr. M. Lokanatha	M.Tech.	Asst. Professor	Power Systems	1 Year 7 months	Not applicable
23	Mr. B. Vijaya Kumar	M.E	Asst. Professor	Power Electronics	1 Year 6 Months	Not applicable
24	Mr. Sateesh Devanga Yerra	M.Tech.	Asst. Professor	Power systems	1 Year 2 months	Not applicable



25	Mr.V.Gunasekaran	M.E	Teaching Assistant	Power Systems	5 Years 5 months	Not applicable
----	------------------	-----	--------------------	---------------	------------------	----------------

8. Percentage of classes taken by temporary faculty – programme-wise information: **No**

9. Programme-wise Student Teacher Ratio:

B.Tech: 15:1

M.Tech: 12:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Designation	Sanctioned	Filled
Lab Assistant	04	04
AAO	01	01
Attender	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

S.No.	Name of the Faculty	Funding Agency	Title of the Project	Year	Grant received (Rs.)
1	Mr. K. Vasu	UGC-Minor Research Project	Investigation of certain control strategies of Brushless DC Motor with Artificial Intelligent Applications	2014	4.2 Lakhs
2.	Mr. B. Chandra Sekhar	DST - NRDMS	Investigations on DC Nano grid for Rural Applications	2016	15 Lakhs
3.	Dr. K. Rajangam	TEQIP – II Seed Grant	Development of high Power Density Inverter	2016	50000
4.	Mr. Chinnakullay Reddy	TEQIP -II Seed Grant	Integration of renewable Energy Sources	2016	50000



12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc. - Nil

S.No.	Name of the Faculty	Funding Agency	Title of the Project	Year	Grant received (Rs.)
1	Mr. K. Vasu	UGC-Minor Research Project	Investigation of certain control strategies of Brushless DC Motor with Artificial Intelligent Applications	2014	4.2 Lakhs
2.	Mr. B. Chandra Sekhar	DST – NRDMS	Investigations on DC Nano grid for Rural Applications	2016	15 Lakhs

13. Research facility / centre with

STATE RECOGNITION

- The department is recognized as a research centre by JNTUA for three years starting from the academic year 2015-16 to 2017-18 with reference to file number “Proc. No. A1/R&D/Recognition of Research Centre/MITS/2014-15”.
- Recognized by Andhra Pradesh State government for Andhra Pradesh State Skill Development Center (www.appsd.in)

NATIONAL RECOGNITION

- Recognized as scientific and industrial research organization by DSIR of DST F.No: 11/162/51/2014-TU-V and F.No:11/625/2014-TU-V

International Recognition: Nil

14. Publications:

- * Number of papers published in peer reviewed journals (National / International) : 71
- * Monographs : Lab manuals
- * Chapter(s) in Books : 01
 - KVRB Prasad and Singaru P M, “Evolutionary Computation: Techniques and Applications”, Editors: Ashish M. Gujarathis and B.V. Babu, Apple Academic Press, U.S.A, Hard ISBN: 9781771883368, E-Book ISBN: 9781771883375.
- * Editing Books : Nil
- * Books with ISBN numbers with details of publishers : Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :

71

* Citation Index – range / average	: 0-41 / 1.1
* SNIP	:0.1 - 0.496
* SJR	: 0.549 – 2.2
* Impact factor – range / average	:0.07 – 3.43
* h-index	: 1-4

15. Details of patents and income generated

Dr. B. Ramakumar, Professor – EEE, patent details (filed) are listed in the table below:

S.No.	Patent details– Filed
1	Solar Effluent Treating System (SETS): This innovation has been filed with Patent Office Chennai, during 2009, through NRDC, Bangalore (Patent Application # 1477/CHE/2009).
2	Silkworm Pupae Solar Dehydrator (SPSD): This innovation has been filed with Patent Office Chennai, during 2010, through NRDC, Bangalore (Patent Application # 2638/CHE/2010).

16. Areas of consultancy and income generated: **Nil**

17. Faculty Recharging Strategies:

- Faculty Development Programmes, conferences, seminars and workshops on latest technologies are arranged regularly for the faculty.
- Conducting interactive sessions with experts from industry and reputed academic institutions.
- Sponsoring the faculty for higher studies as a part of qualification improvement programmes.
- Faculty are encouraged and sponsored to participate in national/international workshops and conferences with financial assistance.
- Refresh courses were conducted during semester breaks.
- Staff seminars are arranged to deliver new concepts.
- 4G Data cards and CUG sim cards have been provided by the institution to all the doctorates.

18. Student projects

Percentage of students who have done in-house projects including inter-departmental

- 100% student projects were carried as in house projects, out of which 25% of projects are inter disciplinary.



19. Awards / recognitions received at the national and international level by

- Faculty -
 - Name of The faculty : Dr. A. Sudhakar
 - Name of the award received : Award of Research Excellence
 - Name of the awarding agency : INDUS foundation
 - Date :23-09-2016
- Doctoral / Post-doctoral fellows – Nil
- Students – 42 (Prizes won in national level technical symposium, quiz etc..)

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

Academic year	Name of the programme	Name of the Funding Agency	Number of participants
2015-16	A National Level Technical Symposium, “TERA-2K16” held on 31st March 2016	TEQIP II	97
	National Seminar on Challenges, Approaches and Practical Implementation of Micro grids on 28th - 30th September, 2015.	DST-SERB	36
2014-15	A National Level Technical Symposium, “TERA-2K15” held on 2nd April 2015	TEQIP II	110
	A Two-Day Workshop on “POWER SYSTEM STUDIES USING ETAP” on 31st October& 1st November 2014.	TEQIP II	54
	Two Day National Workshop & Expo Solar Power Systems on 24th& 25th July 2014	TEQIP II	70
2013-14	A National Level Technical Symposium, “TERA2K14 ” held on 12th March 2014,	TEQIP II	110
	Two Day Workshop on Earthing Technologies in Power Systems organized by Department of EEE on 6& 7th of March 2014.	TEQIP II	50
	A National Conference on Advanced Research Methodologies in Electrical Engineering held on 27th & 28th June 2013	TEQIP II	57
2012-13	One day National Level Technical Symposium, “TERA 2K13 ” on 27 Feb, 2013,	College Management	100
	A three-day Faculty Development Programme on “Current Trends in Smart Grid” from 3 rd to 5 th June, 2013	TEQIP-II	70



2011-12	National Level Students Technical Symposium MPOWER-2K12 on 27 th March 2012	TEQIP-II	70
	National Level Workshop on Soft Computing Techniques on 29 th September 2011	TEQIP-II	70

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech EEE 2011-15	-	38	21	92.1	76.19
B.Tech EEE 2010-14	-	47	25	59.57	100
B.Tech EEE 2009-13	-	47	18	85.1	100
B.Tech EEE 2008-12	-	56	20	50	85.71
M.Tech EPS 2012-14	-	26	04	84.61	75
M.Tech EPS 2011-13	-	24	10	91.66	100
M.Tech EPS 2010-12	-	13	05	76.92	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of Students from the State	% of Students from other States	% of students from other countries
B.Tech EEE 2015-16	0	100%	-	-
B.Tech EEE 2014-15	0	100%	-	-
B.Tech EEE 2013-14	0	100%	-	-
B.Tech EEE 2012-13	0	100%	-	-
M.Tech EPS 2015-16	11.1	100%	-	-
M.Tech EPS 2014-15	0	100%	-	--
M.Tech EPS 2013-14	3.2	100%	-	-
M.Tech EPS 2012-13	0	100%	-	-
M.Tech SPS 2014-15	11.1	100%	-	-
M.Tech SPS 2015-16	0	90%	10%	-



23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Year	GATE/ PGCET	Others (GRE, TOFEL, XAT, CMAT,SNAP,etc.,)
2010-11	02	01 (IFS)
2011-12	06	-
2012-13	09	-
2013-14	04	02
2014-15	04	04
Total	25	07

24. Student progression

Student progression	Higher education				
	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	2.70%	5.71%	27.5%	17.3%	8.90%
PG to Ph.D.			6.66		
Ph.D. to Post-Doctoral	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Employed					
Campus Selection	15	01	34	4	13
Other than Campus	27	19	5	40	33
Entrepreneurs	-	-	-	-	-

25. Diversity of staff:

Percentage of faculty who are graduates:	
Of the same parent university	44.00%
From other universities within the state	4.00%
From other University from other states	52.00%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S.No.	Name of the faculty	Qualification	Year of completion	University
1.	Dr. C. Kamal Basha	Ph.D.	2015	JNTUA Anathapuramu
2.	Dr. Rajendra Prasad Narne	Ph.D.	2015	NIT Rourkela
3.	Dr. Santosh Kumar Singh	Ph.D.	2015	NIT Silchar
4.	Dr. Chandra Babu Naidu	Ph.D	2016	SRM University, Chennai

27. Present Details about Infrastructural Facilities

a. Departmental Library:

Personal computers	: 04
Number of books	: 265
Number of titles	: 170
Project reports	: 320
Mini projects and seminars reports	: 193
Lab manuals	: 14
CDS	: 51
International journals	: 02
National journals	: 14
Magazines	: 04

b. Internet facilities for staff and students: Wi-Fi connectivity with a bandwidth of 100 mbps

c. Total Number of Class Rooms: 7

d. Class Rooms with ICT facility: 7

e. Students' Laboratories:

The following are the list of laboratories available in the department.

S.No.	Name of the Laboratory	Major Equipment
1	Electrical Machines lab	DC Shunt Motor-shunt generator, Dc Compound Motor-Generator, DC shunt, Compound and Series motor with loading arrangements, Induction Motor with load arrangements, Three phase alternator, Single phase Transformer/Auto Transformer
2	Power electronics & simulation lab	Single phase AC voltage controller, Bridge converters, Inverters,
3	Electrical circuits and simulation lab	PSPICE Simulation Software, Electrical Network Theorem verification kits, Servo Stabilizer, Auto Transformers
4	Control system and simulation lab	DC Motor, DC Servo motor controller, Process control simulator, Lead Lag compensator, PID controller, PLC trainer kit, AC servo motor, Storage Oscilloscope, DSO



5	Electrical measurements lab	Transformer Oil testing Kit, AC/ DC Bridges, Inductive and Capacitive load, Photo optical bench, Servo stabilizer
6	Solar Power System Lab	Mono crystalline and multi crystalline solar Panels
7	Electrical Machines and Power Systems Laboratory	DC Shunt Motor-shunt generator, Dc Compound Motor-Generator, DC shunt, Compound and Series motor with loading arrangements, Induction Motor with load arrangements, Three phase alternator, Single phase Transformer/Auto Transformer, MATLAB
8	Electronic Circuits Laboratory	IC Trainer Kits, CROs, Function Generators
9	Microprocessor and Interfacing Laboratory	8086 Microprocessor kits, 8051 microcontroller kits, Interfacing kits for 8086 and 8051
10	Simulation Laboratory	PC with Intel Core i3, 3.3 GHz, RAM 2 GB, HDD 500 GB – 30 Nos.

f. Research Laboratories:

- The department has a simulation laboratory containing 37 number of computers with internet facility, MATLAB, Power system simulation software and all required open source technical computing software to carryout project work and research.
- The research facilities such as solar panels, inverters are available in Solar Power Systems laboratory to carry out research works.

28. Number of students of the department getting financial assistance from College.

The Management Scholarship has been awarded to the student in recognition of their talents in various categories like best performance in academic, best project, sports, fine arts, poor students etc. The list of PG & UG students receiving this scholarship is as follows.

S.No	Year	No. of UG Students	No. of PG Students	Total students
1	2015-16	05	-	05
2	2014-15	08	-	08
3	2013-14	14	5	19
4	2012-13	03	4	07
5	2011-12	01	-	01

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- Analysis has been carried out for offering new programme / courses by organizing extension programme in consultation with experts from University, other institutions, industry, local bodies & panchayats.
- Before starting the new programme the placement opportunities available for the students were assessed with the mentioned stakeholders.
- By analyzing the need base and analogically comparing with neighboring colleges, the new programmes are planned and developed. At a developed stage, additional sections are also started on need base.

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

- The department obtains feedback from faculty on curriculum as well as teaching learning-evaluation. Based on the feedback the curriculum and teaching-learning process is discussed with subject experts and experienced faculty.
- The outcome of the feedback form is discussed during the department faculty meeting.
- In case, any change is found to be reasonable, the department takes necessary steps to rectify the drawbacks through the Board of Studies and Academic Council.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

- Department periodically collects feedback from the students on staff, curriculum and teaching learning evaluation.
- Feedback is thoroughly studied by the department and if any drawback is found, the same is discussed with the faculty concerned.
- The faculty were insisted to change the method of teaching-learning process if it is found to be uncomfortable for the student.
- Class committee meeting is conducted once in every month where the faculty



and selected student discuss on staff, curriculum and teaching learning evaluation. The report is then submitted to the department and necessary action is taken on the report.

c. Alumni and employers on the programmes and what is the response of the department to the same? Yes

- Alumni meet is conducted every year during the graduation day.
- Valuable suggestions from alumni members are collected for enhancing the professional standards of our institution.
- Feedback from the employers is also collected based on which the students are trained to meet the requirements of the company.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name	Company Name	Contact	Designation	Passed out Year
1	D. Anil Kumar	iGATE Bangalore	06691a0201@gmail.com	Software Engineer	2013
2	Baby Rani. M	AndraPragathiG ramina Bank	babyr06@gmail.com	officer scale 1	2013
3	Bhavana. B	Tech Mahindra Bangalore	leckler.bhavana@gmail.com	Software Engineer	2013
4	Pavani Reddy. K	Broadcom Bangalore	pavanireddykancherla@gmail.com	Software Engineer	2013
5	Shilpa Kala. K	Cognizant Chennai	reddy.shilparaj@gmail.com	Programming analyst	2013
6	Nagaveni.K.M	Accenture Bangalore	nagavenikm@accenture.com	Assoc Software Engineer	2014
7	Ranjithkumar. M	Infosys Mysore	8099756227	Assoc Software Engineer	2014
8	K.Uday Kumar Reddy	SSITS Kadapa	9618140380	Assistant Professor	2010
9	M.Raghunath Reddy	SCINTEL Chennai	m.raghunathreddy@scintel.com	Consultant	2010
10	B.N.Suresh	TCS USA	sureshmits2a1@gmail.com	Business consultant	2010



32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

ACADEMIC YEAR: 2016-17:

Module Description	Any other contributory Institute/industry	Duration	Resource Persons	Target Audience
Internet of Things and Design Principles of Embedded Systems	TEQIP-II	One Day 16.07.2016	Mr. T. Chakra Pani, from Module lead, Mistral Solutions Pvt. Ltd., Bangalore	UG Students
Power Electronics – An Introduction & Applications	TEQIP-II	One Day 16.07.2016	Mr. Ramesh Darla, Sr. Engineer Power Supplies, Cisco systems, Bangalore	UG Students
Recent Trends in HV Transmission Lines	TEQIP-II	One Day 06.08.2016	Mr.V.Salman	UG Students
Modern Trends in Electrical Power Engg.	TEQIP-II	One Day 16.08.2016	Singam Balakrishna	UG Students
Develop the Habits of Success	TEQIP-II	One Day 26.08.2016	Dr. Sremmant Basu, CEO Centre for Mentoring & Development	UG Students
Electrical Engineering Projects	TEQIP-II	One Day 04.10.2016	Dr.I Gopinath	UG Students

ACADEMIC YEAR: 2015-16:

Module Description	Any other contributory Institute/industry	Duration	Resource Persons	Target Audience
Industry Expectations from young Engineers	TEQIP-II	One Day 19.03.2016	Mr.K. Sreenivasa Ramanujam , Academic Relationship Manager, Karnataka, TCS, Bangalore	UG Students



Optical Fiber Ground Wire Technologies	TEQIP-II	One Day 10.02.2016	Sri. V. Dhananjaya Naidu, Administration Manager, ZTT India (P) Ltd, SRICITY	UG Students
Live line maintenance of transmission lines	TEQIP-II	One Day 06.02.2016	Sri. S. Prakash, Assistant Director, Hot Line Training Centre (HLTC), Bangalore	UG Students
National Level Technical symposium – TERA – 16	TEQIP – II	One day 31-03-2016	Prof. P.S. Nagendra Rao, Professor, Dept. of Electrical Engineering, IISC, Bangalore	UG & PG Students
National Seminar on Challenges, Approaches and Practical Implementation of Microgrids	DST -SERB	Three days 28th - 30th September, 2015	Prof. P.S. Nagendra Rao, Professor, Dept. of Electrical Engineering, IISC, Bangalore Dr. S. Umashankar, Associate Professor, School of Electrical Engineering, VIT University. Mr. D. Nitesh Kumar, Engineer, R& D team, M/s. PRDC Pvt. Ltd., Bangalore Mr. A. Kamal, Assistant Manager, M/s BGR Energy Systems Ltd., Chennai Dr. K. Uma Rao, Professor, Department of EEE, RV College of Engineering, Bangalore Mr. V. Suresh Babu, Assistant Director, PSTI, Bangalore	PG Students & Faculty

ACADEMIC YEAR: 2014-15:

Module Description	Any other contributory Institute/industry	Duration	ResourcePersons	Target Audience
Guest lecture on "Power Grid Concepts & Overview of an EHT Sub-Station"	Industry (APTRANSCO)	One day - 15 th May 2015	Mr. S.V. Mahesh Babu, Asst. Divisional Engineer, APTRANSCO, Chittoor	PG Students and faculty of the department of E.E.E.
TERA – 2K15 A National Level Technical Symposium	Institute	2 nd April 2015	-	UG Students
Guest lecture on "State of the Art Silicon Photovoltaic Technology"	Institute	One day 21 st Feb 2015	Dr.A.Karthigeyan Asst. Professor (S.G) Dept. of Nano Technology, SRM University, Chennai.	UG & PG Students and faculty of the department of E.E.E.,



Guest lecture on "Renewable Energy Sources & REC Mechanism"	Institute	One day 30 th Jan 2015	Mr. V. Suresh Babu, Assistant Director, NPTI (PSTI), Bangalore.	UG & PG Students and faculty of the department of E.E.E.,
Guest lecture on "Reliability and Risk Analysis for Industries: Challenges & Problems"	Industry	One day 23 rd Dec 2014	Dr. Gopika Vinod, Head, Probabilistic Safety Section, Scientist-G, Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai	Students and faculty of the department of E.E.E.,
Guest lecture on Employing Computation Intelligence Methods for Operator Support System"	Industry	One day 23 rd Dec 2014	Mr. Santhosh, Scientific Officer 'E', Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India.	Students and faculty of the department of E.E.E.,
Workshop on "POWER SYSTEM STUDIES USING ETAP"	Industry	Two days 31 st Oct - 1 st Nov 2014	Mr. Rajkumar, Senior Design Engineer, M/s. L&T Construction, Chennai, Mr. R. Ranjith, Senior Electrical Engineer, M/s. Siemens Energy Sector, Coimbatore, and Mr. S. Selvakumar, Technical Expert (Power Systems), M/s. ABB Global Industries Ltd., Chennai	Students and faculty of the department of E.E.E.,
Guest lecture on "Applications Of Power Electronic Converters For Power Quality Improvement"	Institute	One day 29 th Sep 2014	Dr. J. Praveen, Professor & HOD, Department of EEE, Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad.	Faculty members, Engineers, Research scholars & PG Students
Two Day National Workshop & Expo Solar Power Systems	Industry	Two day 24 th & 25 th July 2014.	Dr. Kaushik J. Vaidya, Engineering Director, M/s. Applied Materials India Pvt. Ltd. Bangalore	UG & PG Students and faculty of the department of E.E.E.,

Academic Year: 2013-14

Module Description	Any other contributory Institute/industry	Developed/organized by	Duration	Resource Persons	Target Audience
Two Day Workshop on Earthing Technologies in Power Systems	Industry	organized by the Dept. of E.E.E.	Two day 6-7 th of March 2014	Mr. H. Jayakumar, Director - Technical, Galaxy Earthing Electrodes (P) Ltd since 2007, Retd. Jt Director – CPRI, Bangalore	Students and faculty of the department of E.E.E.,
TERA – 2K14 A National Level Technical Symposium	Institute	organized by the Dept. of E.E.E.	One day 2 nd March 2014	-	UG Students



Academic Year: 2012-13

Module description	Any other contributory Institute/industry	Developed/organized by	Duration	Resource Persons	Target Audience
A National Conference on Advanced Research Methodologies in Electrical Engineering	Industry	organized by the Dept. of E.E.E.,	Two Day 27th & 28th June 2013	Dr SANDEEP R. KOPPIKAR Senior Manager, Systems R&D SunEdison Energy India Pvt. Ltd (a division of SunEdisonInc, USA	UG & PG Students and faculty of the department of E.E.E.,
Guest Lecture on "Energy Audit & Energy Management and Renewable Energy Resources & Grid Integration"	Industry	organized by the Dept. of E.E.E.,	One Day 12 th march 2013	Sri.B.VenkataSubbiah, Deputy Director, National Power Training Institute Power Systems Training Institute (NPTI), Bangalore.	UG & PG Students and faculty of the department of E.E.E.,
Guest Lecture on "Power Quality Issues in Electrical Engineering"	Institute	organized by the Dept. of E.E.E.,	One Day 03 rd March 2013	Prof. K. Uma Rao, Professor in Dept. of E.E.E., R.V. College of Engineering, Bangalore.	UG & PG Students and faculty of the department of E.E.E.,
TERA – 2K13 A National Level Technical Symposium	Institute	Organized by the Dept. of E.E.E.	One day 27th Feb 2013		UG Students
Two day training Programme on “MATLAB & SIMULINK”	Institute	Organized by Dept. of EEE	Two day 14 th & 15 th Feb 2013	Mr. K. Sumith, & Mr. K. Vasu Asst. Professors., Dept. of EEE MITS, Madanapalle	Faculty & Students
Guest Lecture on “High voltage D.C transmission and flexible A.C transmission system”	Institute	Organized by Dept. of EEE	One day 21 st Oct 2012	Dr. Uma Rao, Professor, R.V. College of Engineering, Bangalore	UG students
Guest Lecture on “Recent trends in power system protection & reactive power management in power systems”	Institute	Organized by Dept. of EEE	One day 15 Oct 2012	Sri. M.N. Murthy,	UG students
Guest Lecture on “Power scenario & job opportunities in the sector” and “Recent trends in power system operation & control”	Institute	Organized by Dept. of EEE	One day 14 th Sep 2012	Sri. K. Vetrivel, Assistant Director, NPTI, Bangalore	UG students

33. List the teaching methods adopted by the faculty for different programmes.

The following are the various Content Delivery Methods (CDMs) used to deliver the courses:

- Lecture interspersed with discussions
- Tutorial
- Experimental demonstration
- Project guidance
- Seminars

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The delivery methods are chosen appropriate to meet the Programme. The effectiveness of the courses is enhanced by implementing the specified delivery methods. The impact of Course Delivery Methods to attain the POs is detailed in the following Table.

Table: Impact of CDMs on POs attainment

Course Delivery Method	POs Addressed	Justification
Lectures interspersed with discussions	PO1	Lecture hours of each course are being well designed, so that the entire topics could be delivered effectively within stipulated period and shall provide a scholarly knowledge in the domain.
	PO2	The lectures are being so interspersed, so that the class room would be a student centric rather than a teacher centric, as each student could participate in the discussion / debate while analyzing the problems, in turn, achieve a capability to compare multiple design alternatives and identify the optimum solutions.
	PO3	Thought provoking real life problems are being often discussed during lectures, so that students would be lenient to find the optimal solutions, individually or through debate among the teams.
	PO4	Lectures are taken on a large variety of problems and many a times of a multidisciplinary nature.
	PO5	Few lecture hours are also dedicated to make students acquainted with all modern tools and techniques, so that they can analyze the existing data, compare different data and can draw a new solution easily.
	PO7	Lecture hours effectively communicate the working of actual engineering solutions and their impact.
	PO8	The lectures and inspirational discussions are helpful to provoke the students to practice the ethical principles in



		their professional career and also to do work with prodigious commitment
	PO9	Lectures are also used to expose the students to contemporary issues and the need for life-long learning in the appropriate societal perspective.
	PO10	Lectures are helpful to gain thorough knowledge on recent topics that helps the students to solve various contemporary issues.
	PO11	The lectures are provoking the students to gain an ability to use the techniques, skills, and modern engineering tools necessary for engineering complex problems.
	PO12	Lectures are used to convey critical information, history, background, theories and equations to solve complex electrical power system problems.
Tutorials	PO1	The systematic ways for solving mathematics, science, and engineering design problems is put into practice by the students during the tutorials under the close supervision of the instructor.
	PO2	During tutorials, the instructor guides students to design, analyze and interpret data through the systematic process that is required for critical analysis of the problem.
	PO3	The instructors constantly encourage the students to find innovative solutions to the design problems that are covered during the tutorials.
	PO4	All the multidisciplinary techniques that are taught to the student as part of the curriculum are practiced by the students under the supervision of the instructor during tutorials.
	PO5	Instructor may ask any student of his choice to solve and explain certain logical problems on the board, so that the students may able to identify and solve engineering problems
	PO6	All tutorials are used to relate engineering practice with ethical issues, so that the students can realize the professional and ethical responsibility that caters the societal needs.
Experimental demonstration	PO1	The experiments are carefully designed and delivered in order to impart an in-depth understanding of the respective course.
	PO2	During experimental demonstration students are encouraged to critically analyze a problem and identify the optimum solution.
	PO3	The experiments involve real life examples to illustrate how critical thinking can be effectively utilized to design products.
	PO4	The experiments help the students understand how innovative thinking can provide effective solutions to complex engineering problems.



	PO5	The experiments are carefully designed to impart the students' hands-on experience on modern tools and techniques.
	PO6	The social and related aspects that are to be considered during professional engineering practice are introduced to the students through experimental demonstrations.
	PO9	Students learn how to work in teams and about team spirit that is required to achieve effective output.
Seminar	PO1	Students shall choose a seminar topic which is quite related to his domain outside the curriculum. In turn, this exercise provides the students a choice to work on any other fields of their interest, so that they make different literature study, understand the concepts, check with their proficiency and finally choose a topic to present.
	PO6	At appropriate occasions during the seminar presentation, students may explain the significance of professional and ethical responsibilities.
	PO7	The seminar presentations can help the students to improve their communication skills effectively with their working group.
	PO10	To acquire knowledge, students are being encouraged to choose contemporary issues as technical seminar topic, so that it would be a challenging task for them.
	PO12	Presentations are given to illustrate ideas and concepts to solve research problems in the field of electrical and electronics engineering.
	Project	PO1
PO2		The guides ensure that critical thinking and analysis are integral part in both the project methodology as well as the analysis of the results
PO3		While obtaining the solution for the problem identified in the project work, students will also consider the economic and financial factors in the analysis process.
PO4		Project task requires the student to obtain help from other personnel, within the department and outside the department as well, which helps them to hone their teamwork skills. Also, research skills and methodologies are inevitably employed in the project.
PO5		The guide necessitate the student to employ lateral thinking while conducting the project task and evaluate several possible alternatives before arriving at a solution
PO6		During the project activity, students get acquainted with professional and research ethics.
PO7		Periodic progress reports, intermediate review



		presentations, final thesis report, final viva-voce examination, conference paper presentations and journal publications are all essential components to improve the scientific communication skills of the students.
	PO8	The project literature survey gives the necessary information to understand the impact of engineering solutions in a global, economic, environmental, and societal context
	PO9	As a part of the project work, students inevitably have to learn unfamiliar topics and concepts that were not covered in the curriculum, which helps them to acquire the aptitude for independent life-long learning.
	PO10	While choosing the project problem the student will undergo the literature survey that helps to gain knowledge on various contemporary issues.
	PO11	Modern tools and techniques are essentially and extensively used during the conduction of the project work.
	PO12	In the project tenure, the students acquires sufficient research knowledge, with this they can able to solve any research problems related to electrical engineering.

35. Highlight the participation of students and faculty in extension activities.

- Cultural activities
- Inter-college quiz competitions and collaborative projects
- Social service activities
- Sports

S.No.	Name of the Student	Cultural Event	Prize received	Place & year
1	P.S . Jaya Prakash	Mohan Mantra –Quiz	Participated	SVEI -2016
2	P.S . Jaya Prakash	Mohan Mantra -Paper presentation	Participated	SVEI -2016
3	M. Preneeth Sai	Mohan Mantra -Paper presentation	Participated	SVEI -2016
4	A Pannedra	Mohan Mantra -Paper presentation	Participated	SVEI -2016
5	A Eswar Kumar	Mohan Mantra -Paper presentation	Participated	SVEI -2016
6	V. Anatha Kumar	Mohan Mantra -Paper presentation	Participated	SVEI -2016
7	V Jaswanth	Workshop	Participated	VIT -2016
8	M N Giri Prasath	Workshop	Participated	VIT -2016
9	P S Jaya Prakash	Workshop	Participated	VIT -2016
10	L Pawan	Workshop	Participated	VIT -2016
11	B. Jeswanth kumar reddy	Mythological Act-ASHV15 Cricket competition	1Runner	MITs-2015 MITs-2013
12	P.Junaid Khan	MITs Premier League	Runner	MITs-2013
13	P.Premanath	General Quiz	Participated	SVNE-2015
14	C.GunaSekhar	Solo Dance	First	MITs-2015
15	Y.M.VijayaSudharshan	Mythological act	First	MITs-2015



36. Give details of “beyond syllabus scholarly activities” of the department

- In the laboratory, one or few experiments beyond syllabus are conducted
- Industrial visits are arranged
- Encouraged to go for in-plant training during semester holidays.
- Workshops and conferences are regularly arranged to update their technical skills
- Value added courses are conducted in flexible timings after working hours in the latest technologies.
- Guest lectures are also arranged regularly by inviting eminent experts from industries and reputed academic institutes.

37. State whether the programme / Department is accredited / graded by other agencies. Give details. The department is accredited and graded by the following agencies.

- NBA Accredited for the first time (Ref: F.No. 11-170/2012/NBA dated October 17, 2013).
- NBA reaccreditation of B.Tech programme in EEE for two years (Ref.No:1488 dt: 10-08-2015).
- Application submitted for Accreditation of M.Tech – EPS. (Ref.No/Application No::1395)

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Well qualified and experienced faculty members with diverse in specialization.
- Good faculty retention ratio and staff student ratio.
- Proactive partnership with other universities/ institutes for betterment of the curriculum.
- No financial barrier to attend / organize seminars / workshops /conferences. (TEQIP – II fund)
- Recognized as a research centre by JNTUA, Ananthapuramu to offer Ph.D. programme.
- Well-equipped laboratories.



Weaknesses:

- Less Consultancy.
- Less diversity among students.
- Gap between industry based research expectation and support.

Opportunities

- Mobilizing alumni to support the department in training the students for updating their skills as per the current scenario.
- Increased interest in global initiatives.

Challenges

- Achieving 100% Placement, Higher education and entrepreneurship.

39. Future plans of the department

- To receive more research grants from the funding agencies through projects.
- To identify strategies for providing more placements to the outgoing students.
- To develop entrepreneurship skills among the students.
- To establish the centre of excellence in smart grid and power quality.

Evaluative Report of Mechanical Engineering Department

1. Name of the Department & its year of establishment:

Name of the Department: **Mechanical Engineering**

Year of establishment: **1998**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D, Integrated Masters; Integrated Ph.d., etc.)

UG: B.Tech Mechanical Engineering

PG: M.Tech - Advanced Manufacturing Engineering

M.Tech - Machine Design

Ph.D: All thrust areas in Mechanical Engineering

3. Interdisciplinary courses and departments involved

S.No	Subject Name	Subject Code	Programe	Department
1	Functional English	14ENG11T01	I Year I Sem	English
2	Advanced Calculus	14MAT11T01	I Year I Sem	Mathematics
3	Engineering Chemistry	14CHE11T01	I Year I Sem	Chemistry
4	Environmental Science	14CHE11T02	I Year I Sem	Chemistry
5	Chemistry Practicals	14CHE11P01	I Year I Sem	Chemistry
6	Computing Practicals	14CSU11P01	I Year I Sem	CSE
7	Technical Report Writing	14ENG12T02	I Year II Sem	English
8	Linear Algebra & Complex Analysis	14MAT12T02	I Year II Sem	Mathematics
9	Engineering Physics	14PHY12T01	I Year II Sem	Physics
10	Computer Programming	14CSU12T01	I Year II Sem	CSE
11	Basic Electrical & Electronics Engineering	14EEE12T01	I Year II Sem	EEE
12	Physics Practicals	14PHY12P01	I Year II Sem	Physics
13	Computer Programming Practicals	14CSU12P02	I Year II Sem	CSE
14	Differential Equations & Laplace Transforms	14MAT21T03	II Year I Sem	Mathematics
15	Principles of Economics	14HUM21T01	II Year I Sem	Humanities
16	Effective Public Speaking	14ENGAU01	II Year I Sem	English
17	Creative Writing	14ENGAU02	II Year I Sem	English
18	Entrepreneurship Development	14HSSAU01	II Year I Sem	Humanities



19	Ethical Hacking	14CSUAU01	II Year I Sem	CSE
20	Probability & Statistics	14MAT22T04	II Year IISem	Mathematics
21	Soft Skills	14ENG31T03	III Year I Sem	English
22	Principles of Management	14HUM22T02	III Year I Sem	Humanities
23	Introductory Psychology	14ENGAU03	III Year I Sem	English
24	Phonetics and Spoken English	14ENGAU04	III Year I Sem	English
25	Introduction to IPR	14MITSAU01	III Year I Sem	CSE
26	National Service Scheme (NSS)	14MITSAU02	III Year I Sem	NSS
27	Industrial Engineering	14ME41T19	IV Year I Sem	ME
28	Project Management	14ME42DE4a	IV Year II Sem	ME

4. Annual / semester / choice based credit system: **Semester system**

5. Participation of the department in the courses offered by other departments

S.No	Subject Name	Subject Code	Semester	Departments offered
1	Engineering Graphics	14ME11T01	I Year I Sem I Year II Sem	CE, EEE, ECE, CSE, IT
	Workshop Practice	14ME12P01	I Year I Sem I Year II Sem	CE, EEE, ECE, CSE, IT
2	Fluid Mechanics & Hydraulic Machines	14ME32P09	III Year II Sem	EEE
3	Mechanics of Solids	14ME21T02	II Year I Sem	CE
4	Mechanics of Solids Practicals	14ME21P02	II Year I Sem	CE
5	Power Plant Engineering	14ME402	III Year I Sem	CE,EEE

6. Number of teaching posts sanctioned and filled (Professors / Associate Professors / Asst. Professors)

	Sanctioned	Filled
Professors	8	8
Associate Professors	9	9
Assistant Professors	28	28

7. Faculty Profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. / Ph.D./ M.Phil. etc.,)

S.No	Name of the Faculty	Highest Qualification	Designation	Specialization	No. of Years' Experience	No. of Ph.D Students guided
1	Dr Suryanarayana rajup	Ph.D.	Professor & Head	Thermo fluids	13	Nil
2	Dr. K. G. Sudhakar	Ph.D.	Professor	Metal Casting Sciences & Engineering	25	Nil
3	Dr. Prabhakar Sathujoda	Ph.D.	Professor	Mechanical engineering	20	Nil
4	Dr. C. Yuvaraj	Ph.D.	Professor	Manufacturing Sci. & Engg.	23	Nil
5	Dr. Prasanna Kumar Lakshmi Duvvi	Ph.D.	Professor	Mechanical engineering	11	Nil
6	Dr. C. K. Srinivasa	Ph.D.	Professor	Manufacturing Engg.	25	Nil
7	Dr. G Harinath Gowd	Ph.D.	Professor	Machine Design	13	Nil
8	Dr. John Baruch.L.	Ph.D.	Professor	Design	14	Nil
9	Dr. T Vishnuvardhan	Ph.D.	Assoc. Professor	CAD/CAM	13	Nil
10	Dr. KVP Chakradhar	Ph.D.	Assoc. Professor	Industrial Engg.	13	Nil
11	Dr. A Bala Raju	Ph.D.	Assoc. Professor	CAD/CAM	10	Nil
12	Dr.S. Baskaran	Ph.D.	Assoc. Professor	Manufacturing Engg.	4	Nil
13	Dr. I. Arun	Ph.D.	Assoc. Professor	Coating Tribology	5	Nil
14	Dr. Ch. Srinivasa rao	Ph.D.	Assoc. Professor	R & AC	14	Nil
15	Dr. K. Ganesa Balamurugan	Ph.D.	Asst. Professor	Manufacturing	2	Nil
16	Dr. S. Vinoth Kumar	Ph.D.	Asst. Professor	Manufacturing Systems & Management	4	Nil
17	Dr. G. Sayiram	Ph.D.	Asst. Professor	Industrial Engineering	4	Nil
18	Dr. C. Vijaya Kumar	Ph.D.	Asst. Professor	Aerospace Engineering	4	Nil
19	Dr. Vijesh V Joshi	Ph.D.	Asst. Professor	Engineering Analysis and Design	2	Nil
20	Dr.V.Girish Chandran	Ph.D	Asst. Professor	Polymer Nano composites	15	Nil



21	G.Sadasiva Prasad	M.Tech.	Assoc. Professor	Industrial Engineering	16	Nil
22	V Vamsidhar	M.Tech	Assoc. Professor	Quality control and Operation Research	20	Nil
23	P.Rayudu	M.Tech	Assoc. Professor	Industrial Engineering and management science	21	Nil
24	Mr. Srikar Potnuru	M.Tech	Asst. Professor	Production Engineering	0	Nil
25	Rama Narayana BL	M.Tech	Asst. Professor	Machine Design	20	Nil
26	Mr. M. Prasanta Kumar	M.E.	Asst. Professor	Mechanical Engineering	20	Nil
27	B.Sreenivasulu	M.Tech.	Asst. Professor	Production Engineering	10	Nil
28	M.VamsiKrishna	M.E.	Asst. Professor	Engineering design	6	Nil
29	V.Ajay	M.Tech.	Asst. Professor	Thermal	5	Nil
30	S.Praveen Kumar	M.E.	Asst. Professor	Engineering design	6	Nil
31	Bazawada.Sreenivasulu	M.E.	Asst. Professor	Engineering design	6	Nil
32	P.Venkataramana	M.Tech.	Asst. Professor	Thermal	10	Nil
33	M.Gunasekar Reddy	M.E.	Asst. Professor	engineering design	5	Nil
34	G.GuruMahesh	M.Tech.	Asst. Professor	Machine Design	5	Nil
35	M.Subbarao	M.Tech.	Asst. Professor	Manufacturing Engineering	7	Nil
36	S.Kareemulla	M.Tech.	Asst. Professor	Manufacturing Engineering	4	Nil
37	Manu Ravuri	M.Tech.	Asst. Professor	Manufacturing Engineering	4	Nil
38	P. Meghashyam	M.Tech.	Asst. Professor	Advanced Manufacturing Systems	1	Nil
39	K Ravi	M.Tech.	Asst. Professor	Machine Design	2	Nil
40	A Bargav	M.Tech.	Asst. Professor	Production Engineering	1	Nil
41	P.Mohammed Rizwan Ali	M.Tech.	Asst. Professor	Advanced Manufacturing Systems	1	Nil
42	C. Bilhan Reddy	M.S.	Asst. Professor	Mechanical engineering	1	Nil
43	U. Nagaraju	M. Tech.	Asst. Professor	Advanced Manufacturing Systems	1	Nil



44	Mr. S Krishna Chaitanya	M. Tech.	Asst. Professor	CAD/CAM	1	Nil
45	Mr.R.Prithivi Rajan	M.E	Asst. Professor	Manufacturing Engineering	6	Nil

8. Percentage of classes taken by temporary faculty – programme – wise information

NIL

9. Programme-wise student teacher ratio

S.No	Programme	Student-Teacher ratio
1.	UG	16:1
2.	PG	12:1

10. Number of academic support staff (technical) and administrative staff sanctioned and filled

S.No	Designation	Sanctioned	Filled
1.	Lab Technicians	17	17
2.	AAO	01	01
3	Attender	02	02

11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) total grants received. Mention names of funding agencies and grants received project –wise.

d) Grants Received from National Funding agencies

S. No.	Name of the Faculty Investigator	Title of the Work	Sponsoring Agency	Sanctioned Amount
1	Mr.Manu Ravuri	Determination of mechanical properties of aluminum metal matrix composite parts produced by 3D printing	UGC-SERO	2,40,000/-
2	Dr.I.Arun(PI) & Dr.C.Yuvaraj(Co PI)	Investigation and characterization of Electrical Discharge coated alloys for mitigation of biological fouling on maritime structures	DST-SERB	38,37,690/-
3	Dr.C.Yuvaraj	Seminar grant under "Seminar Symposia Scheme" for a seminar on Recent advances in additive Manufacturing	DST-SERB	1,00,000/-
4	Dr.P.Suryanarayana Raju	Simulation and Analysis of Fire accidents in Passenger Train cars	DST-SERB	25,79,600/-



5	Dr.G.Harinath Gowd	Experimental Investigations and Hybrid Approach for Modeling & Multi Objective Optimization of Pulsed Laser Milling of Micro-Channels	DST-SERB	34,39,000/-
6	Mr.M.Gunasekhar Reddy	Design & Development of Hybrid vehicle for physically challenged persons	UGC-SERO	3,30,000/-
7	Mr.Bathina Sreenivasulu	Analysis and optimization of tube hydro forming process for corrosive resistance materials.	UGC-SERO	3,85,000/-
8	Dr.C.Yuvaraj	Development of High Strength materials for Micro Air Vehicles.	The Institution of Engineers(India)	50,000/-
9	Dr.C.Yuvaraj	Faculty Development Programme on “Fatigue and fracture Mechanics”	AICTE	7,00,000/-
No of Faculty sanctioned with projects/ FDPs: 09(Grants received)				1,16,61,290/-
No of Faculty completed projects/FDPs :03 (worth of projects completed)				8,50,000/-
No. of Faculty with ongoing projects: 06 (worth of projects ongoing)				1,08,11,290/-

b) Grants Received from International Funding agencies

S.No.	Year	Name of the Agency	Fund received
1	2014-15	TEQIP-II	154423/-
2	2015-16	TEQIP-II	1714080/-
3	2016-17	TEQIP-II	108564/-
Total			1977067/-

c) Total Grants Received

S.No.	Nature of Funding Agency	Sanctioned Amount
1.	National Funding Agencies	Rs.1,16,61,290/-
2.	International Funding agencies	Rs. 19,77,067/-
	Total Grants Received	Rs. 1,36,33,357/-

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc; total grants received

Departmental Projets funded by Funding Agencies			
S.No	Academic Year	Funding Agency	Grants Received
1	2016-17	UGC-SERO	2,40,000/-
		DST-SERB	38,37,690/-
2	2015-16	DST-SERB	61,18,600/-



		FIST(At college Level)	30,00,000/-
3	2014-15	UGC-SERO	7,15,000/-
4	2013-14	AICTE Institution of Engineers	7,00,000/- 50,000/-

13. Research facility / centre with

- State recognition –
 1. Recognized Research Centre by JNTUA-Ananthapuramu to offer PhD Programs
 2. Andhra Pradesh State Skill Development Center
- National recognition – Registered as Scientific & Industrial Research Organization by DSIR and DST to take up funding projects and consultancy
- International recognition – **Nil**

14. Publications:

Number of papers published in peer reviewed journals (National / International) : 236
 * Monographs : 36
 * Chapter(s) in Books : 02

S.No	Name of the Faculty Member	Book Chapter	ISBN Number	Publisher
1	Dr. P. Suryanarayana Raju	Chapter Title: From a Single Cell to a Stack Modeling Book Name: Fuel Cells and Hydrogen Energy: Modeling Solid Oxide Fuel Cells	978-1-4020-6995-6	Springer Science and Business Media B.V.20
2	Dr. V.Girish Chandran	Chapter Title: Rheological Characteristics of Linear Low Density Polyethylene – Fumed Silica Nano composites Book Name: Advanced Polymeric Materials (From Macro to Nano Length Scales.	ISBN: 9781771880961	Apple Academic press – USA. April 27,2015.

* **Editing Books** : 4

S.No	Name of the Faculty Member	Title of the Book or Chapter	ISBN Number	Publisher
1	Dr. K. Sreenivasa Reddy Dr. C. Yuvaraj Dr. G. Harinath Gowd	National Conference on Innovations in Mechanical Engineering, NCIME'13	978-93-82163-00-8	Paramount publications
2	Dr. C. Yuvaraj Dr. G. Harinath Gowd Dr. P. Suryanarayana Raju	2nd National Conference on Innovations in Mechanical Engineering, NCIME'14	978-93-82163-75-6	Paramount publications
3	Dr. C. Yuvaraj Dr. G. Harinath Gowd Dr. T. Vishnuvardhan	3rd National Conference on Innovations in Mechanical Engineering, NCIME'15	978-93-85100-53-6	Paramount publications
4	Dr. C. Yuvaraj Dr. P. Suryanarayana Raju Dr.A.Bala Raju Mr.B.Sreenivasulu	4th National Conference on Innovations in Mechanical Engineering, NCIME'15	978-93-85100-70-3	Paramount publications

* **Books with ISBN numbers with details of publishers** : 1

Name of the Faculty Member	Title of the Book or Chapter	ISBN Number	Publisher
Dr. G. Harinath Gowd	A GA approach to the optimization of Laser Beam Welding Publishers	978-3-659-32090	Lambert Academic Publishing House

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :56
- * Citation Index – range / average : 1-464 / 25
- * SNIP :0.1 - 0.496
- * SJR : 0.549 – 2.2
- * Impact factor – range / average :0.07 – 6.227
- * h-index : 1-8

15. Details of patents and income generated

NIL

16. Areas of consultancy and income generated

NIL

17. Faculty recharging strategies

- Free laptops with internet dongles to the doctorate faculty members
- Free Airtel sim card and free daily newspaper Hindu to the doctorate faculty members
- Sponsoring the faculty members to attend conferences/seminars with financial assistance
- Certificate of appreciation to the faculty members who got highest pass percentage in their subjects.

18. Student Projects

Percentage of students who have undergone in-house projects including inter-departmental: **81%**

Percentage of students doing projects in collaboration with industries/institutes: **19 %**

19. Awards / recognitions received at the national and international level by Faculty

Doctoral / post-doctoral fellows

Students

Faculty

S.No	Year	Name of the Faculty	Award Received	Name of the Organization Presented
1	2011	Dr. C. Yuvaraj	Best Educationist Award	International Institute of Education and Management
2	2011	Dr. C. Yuvaraj	Rashtriya Vidya Gaurav Gold Medal Award	Indian Solidarity Council, New Delhi

Doctoral / Post-doctoral Fellows: NIL

Students

S.No	Year	Name of the Student	Award Received	Name of the Organization Presented
1	2012	Mr. T. Nagabushanam Reddy	Gold Medal	JNTU Ananthapuramu
2	2014	Ms. C. Sowmya Sree	Gold Medal	JNTU Ananthapuramu
3	2014	Ms. C. Sowmya Sree	Prathiba Award	Govt. of A.P
4	2014	S.Sai Prakash	Best Paper	Photon -2014/MITS

			Award	
5	2015	Ms. C. Bharathi	Gold Medal	JNTU Ananthapuramu
6	2015	Ms. C. Bharathi	Prathiba Award	Govt. of A.P
7	2015	Ms. Shakeela	Prathiba Award	Govt. of A.P
8	2015	P.Surya Teja	Best Paper Award	Photon -2015/MITS
9	2015	D.Prathyusha	I Prize	Photon -2015/MITS
10	2015	K.Mani Kanta	I Prize	ASHV-15,MITS
11	2015	P.Venkata Krishna	I Prize	ASHV-15,MITS
12	2015	G.Nihanth Kumar	I Prize	ASHV-15,MITS
13	2015	M.Jagadish Murthy	I Prize	JNTU_Pulivendula
14	2013	Mohammed Mansur	I Prize	JNTU, Anantapur
15	2013	Mohammed Mansur	I Prize	SIET Puttur
16	2013	Mohammed Mansur	I Prize	SVCE Vellore
17	2013	Mohammed Mansur	I Prize	SVCE Vellore
18	2013	Mohammed Mansur	I Prize	VIT Tirupathi
19	2013	Mohammed Mansur	I Prize	YITS Tirupathi
20	2013	J.Addeppa	I Prize	JNTUCE Pulivendula
21	2013	D.Nagendra rao	I Prize	JNTUCE Pulivendula
22	2013	G.Murali Mohan	I Prize	ACE Madanapalle
23	2013	K.Deepika	I Prize	SVECW, Tirupati

20. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

S.No	Academic Year	No. of Programs
1	2016-2017	5
2	2015-2016	5
3	2014-2015	4
4	2013-2014	2
5	2012-2013	4
6	2011-2012	2
7	2010-2011	3



Academic Year 2016-2017				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	A One Day seminar on “Career Opportunities for Mechanical Engineers”	TEQIP-II	20 th July 2016	Dr. Ajay J. Singha Pune Dehradun & Manipal University, INDIA.
2	A One Day Workshop on “Composites for Aerospace Applications”	TEQIP-II	30 th July 2016	Mr. M. Subba Reddy Director, Composite Structures Aeronautical Development Agency, Bangalore Mr. M. Hemesh Sr. Research Fellow Aeronautical Development Agency, Bangalore
3	Two Day National Level Seminar on “Recent Advances in Additive Manufacturing”	DST-SERB	19-20 th August 2016	Dr. Cheruvu Siva Kumar Professor, ME Dept, IIT Kharagpur
4	Two day Staff Development Program in CNC programming	TEQIP II	16-17 th Sep 2016	Mr.M.Kalimuthu Manager – Training MTAB Engineers Pvt Ltd, Chennai
5	4 th National Conference on Innovations in Mechanical Engineering	TEQIP II	21-22 nd Oct 2016	Dr.N.N.Kishore Professor Dept of ME IIT Tirupathi

Academic Year 2015-2016				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	National Conference on Innovations in Mechanical Engineering - NCIME’ 15	TEQIP II	23-24 th Dec 2015	Dr. Mohan Jagadeesh Kumar Senior Professor, Emeritus, SMBS, VIT, Vellore
2	Three Day Faculty Development Program On “CATIA V5 Essentials in Mechanical Engineering”	TEQIP II	28-30 th Dec 2015	Mr. PRAVEEN KUMAR N EDS Technologies, Bangalore
3	A One Day International Seminar on “Recent Trends in Wind Engineering”	TEQIP II	29 th January 2016	Prof. Yukio TAMURA Tokyo Polytechnic University, Japan. Prof. Shuyang CAO Tongji University, China.
4	Two Day National Level Workshop on “Testing and Characterization of	TEQIP II	4-5 th March 2016	Dr.V. Balasubramanian Annamalai University. Dr.M.Balakrishnan



	Materials”			Dr.P.Parameswaran IGCAR, Kalpakkam
5	National Level Students Technical Symposium in Mechanical Engineering, MECHONANCE’ 16	TEQIP II	2 nd April 2016	Dr. M.L.S. Deva Kumar Vice Principal JNTUA, Ananthapuram

Academic Year 2014-2015				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	National Conference on Innovations in Mechanical Engineering - NCIME 14	TEQIP II	18-19 th Dec 2014	Dr. M. Nageswara Rao, Senior Professor, Emeritus, SMBS, VIT, Vellore
2	One day workshop on “ABET Accreditation Essentials and Preparing for Accreditation”	TEQIP II	24 th Feb 2015	Dr. Claire Komives, San Jose state University, USA
3	One day workshop on “Turnitin software (Plagiarism testing)”	TEQIP II	11 th March 2015	Mr. B.J. Arjun Territory Manager, Balani Infotech, Bangalore
4	National Level Students Technical Symposium in Mechanical Engineering, MECHONANCE’ 15	MITS, Madanapalle	27 th March 2015	Prof. D. Durga Prasad Head, ME Department, JNTUA Anantapur

Academic Year 2013-2014				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	Two Week Programme on “Fatigue & Fracture Mechanics in Finite Element Analysis”	AICTE	3-15 th March 2014	Dr. U. Chandra sekhar, Director, ESCI, Hyderabad Dr. K. Hemachandra Reddy, Registrar, JNTU Anantapur P. Janakiramulu, Design Chief, InfoTech Hyderabad
2	National Level Student’s Technical Symposium in Mechanical Engineering, MECHONANCE’ 14	MITS, Madanapalle	29 th March 2014	Prof. K. LAL KISHORE, Vice Chancellor, JNTUA, Anantapuram



Academic Year 2012-2013				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	Three Day National Workshop on "Computational Fluid Dynamics"	TEQIP II	5-7 th July 2012	Dr. N. Kulasekharan, GE India, Bangalore Mr. M. Jayakumar, Robert Bosh, Coimbatore Dr. R. Thundil Karuppa Raj VIT Vellore
2	Two Day International Workshop on "Composites Design & Analysis using FEM"	TEQIP II	21-22 nd Dec 2012	Dr. Vinay Dayal IOWA State university, USA Dr. B. Umamaheswar Gowd JNTU Anantapur
3	National Level Student's Technical Symposium in Mechanical Engineering, MECHONANCE'13	MITS, Madanapalle	16 th Feb 2013	Dr. OVK Chetty, Professor Emeritis, IIT Chennai
4	National Conference on Innovations in Mechanical Engineering - NCIME'13	TEQIP II	21-22 nd June 20 13	Dr. U. Chandrasekhar, DRDO, Bangalore Dr. K. Prahlada Rao, JNTU Anantapur

Academic Year 2011-2012				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	One day National level workshop on "Recent Advances in Mechanical Engineering"	TEQIP II	24 th Sept 2011	Dr. K. Ramanarasimha, Jain University, Bangalore Dr. G. Prasanthi, JNTU Anantapur Dr. K. Gopala Krishna, Jain University, Bangalore
2	National Level Student Technical Symposium, MECHONANCE'12.	MITS, Madanapalle	15 th March 2012	Dr. V. Pandu Rangadu JNTU Anantapur

21. Student profile course – wise

B.Tech (Mechanical Engineering)

S.No	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
1	2012-16	122	106	16	85	100
2	2011-15	63	57	6	84	100
3	2010-14	34	30	4	96.6	100
4	2009-13	34	27	7	92.5	100
5	2008-12	37	33	4	97	100

M.Tech (Advanced Manufacturing Systems)

S.No	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
1	2013-15	33	27	6	100	100
2	2012-14	06	5	1	100	100

M.Tech (Machine Design)

S.No	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
1	2014-16	10	9	1	100	100
2	2013-15	24	20	4	90	100
3	2012-14	19	14	5	100	100
4	2011-12	18	13	05	100	100

22. Diversity of Students

S.No	Name of the Course (refer question no.2)	% of students from the college	% of students from the State	% of students from other states	% of students from other countries
1	B.Tech (Mechanical Engineering)	-	100	-	-
2	M.Tech (AMS)	-	100	-	-



23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

S.No	2010-11	2011-12	2012-13	2013-14	2014-15
GATE	NIL	NIL	01	02	01
PGCET	NIL	01	04	05	01
IELTS/GRE	NIL	NIL	02	01	01

24. Students Progression

Student Progression	Percentage against Enrolled				
	2010-11	2011-12	2012-13	2013-14	2014-15
U.G to P.G	01	01	8.3	8.3	7
P.G to M.Phil.	NA	NA	NA	NA	NA
P.G to Ph.D	NIL	NIL	NIL	NIL	1
Ph.D to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed					
Campus Selection %	40.5	38.8	50.00	30.55	22.22
Other than campus recruitment %	18.91	13.88	20.58	25	51.38
Entrepreneurs	NIL	NIL	NIL	NIL	NIL

25. Diversity of Staff

(2014– 2015)

Percentage of faculty who are graduates	
of the same parent university	26.92
From other universities within the state	15.26
From other universities from other states	57.69

(2015– 2016)

Percentage of faculty who are graduates	
of the same parent university	20.52
From other universities within the state	7.69
From other universities from other states	74.36

(2016– 2017)

Percentage of faculty who are graduates	
of the same parent university	21.74%
From other universities within the state	4.35%
From other universities from other states	73.91%



26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S.No	Name of the Faculty	Ph.D Title	University	Year of Award
1	Dr. A Bala Raju	Analysis of automobile suspension system and development of optimal hydraulic controller for enhancing comfort level.	NIT, Waranagal	2015
2	Dr.S. Baskaran	Development and Investigations on Dry Sliding Wear behaviour of AA7075 - TIC Insitu Metal Matrix Composites	National Institute of Technology, Tiruchirappalli.	2015
3	Dr. Ch. Srinivasa Rao	Parametric Investigations on the performance of a single loop pulsating heat pipe	JNTUH, Hyderabad	2016
4	Dr. S. Vinoth Kumar	Experimental Investigation of process parameter in cryogenic cooled electrode in the EDM process	Anna University, Tamilnadu.	2015
5	Dr. KG. Thirugnanasambantham	Mechanistic studies on degradation of some superalloys through hot airjet erosion and high temperature sliding wear	National Institute of Technology, Tiruchirappalli.	2016
6	Mr. Ramesh Raju	Mechanical and Microstructural Studies on Laser Metal Deposited Nickel and Titanium Based Aero-Engine Blades.	National Institute of Technology, Tiruchirappalli	2016

27. Present details about infrastructural facilities

a) **Library:**

Personal computers	: 03
Number of Volumes	: 476
Project reports	: 449
Mini projects and seminars reports	: 120
Lab manuals	: 25
CDS	: 50
Magazines	: 03

b) Internet facilities for staff and students:

- All the faculty members provided either desktop computers or Laptops with internet facility with a speed of 100 Mbps.



- All the staff and students have access to Wi-Fi facility in entire campus.
 - Digital Library having three computers with internet facility for self-learning.
- c) Total number of class rooms : 13
 d) Class Rooms with ICT facility : 12
 e) Students laboratories : 10

S.No	Name of the Laboratory	Batch size	Major Equipment
1	CAD/CAM 1 & CAD/CAM 2	60	<ul style="list-style-type: none"> • CNC Lathe • 140 Computers , • Licensed versions of AutoCAD 2016,CATIA V5-R6, ANSYS V.14.0, FlexSIM and Edge Cam, PTC Creo 3.0
2	Manufacturing Technology	30	<ul style="list-style-type: none"> • Welding Machines • Universal sand strength tester • Injection Moulding Machine • Hydraulic Press • Blow Moulding Machine
3	Engineering Workshop	60	<ul style="list-style-type: none"> • Wood Turning Lathe • Wood Surface Planer • Radial Drilling Machine
4	Thermal Engineering	30	<ul style="list-style-type: none"> • Vapour compression refrigeration test rig • Two cylinder four stroke, water cooled vertical diesel engine test rig, • Four stroke VCR single cylinder water cooled vertical diesel engine test rig,
5	Metrology and Machine tools	30	<ul style="list-style-type: none"> • Tool maker microscope • Taly surf surface tester • Shaping machine -4 No • Lathe machines -14 No • Slotting Machine -1No • Radial drilling machine -1No • Milling machine -1No • Tool and cutter grinding machine • Bench grinding machine



6	Mechanics of solids & Metallurgy and Material Science	30	<ul style="list-style-type: none"> • Universal testing machine • Tensile tester • Torsion testing machine • Impact testing machine • Leaf spring test rig • Hardness tester (Rockwell, Brinell) • End quenching machine (hardening) • Rough polishing machine-1No • Super polishing machine -2No • Muffle Furnace -1No • Microscopes -6No
7	Fluid Mechanics and Hydraulic Machinery	30	<ul style="list-style-type: none"> • Multi stage centrifugal pump test rig • Single stage centrifugal pump test rig • Reciprocating pump test rig • Pelton wheel test rig • Francis turbine test rig
8	Heat Transfer	30	<ul style="list-style-type: none"> • Emissivity measurement Apparatus • Thermal conductivity of composite wall • Critical heat flux Apparatus • Parallel flow & counter flow heat exchanger • Drop and Film Wise condensation
9	Instrumentation and control systems	30	<ul style="list-style-type: none"> • Photo and magnetic speed pickups for the measurement of speed • McLeod gauge for low pressure • Vibration Analyzer
10	Machine Dynamics	30	<ul style="list-style-type: none"> • Static and Dynamic Balancing apparatus • Motorized Gyroscope • Universal Governor apparatus • Whirling of shafts apparatus • Determination of damped Natural frequency of vibration of the vibrating system with different viscosity

Research laboratories: 02

S. No	Name of the Laboratory	Branch	MAJOR EQUIPMENT
1	Research Lab 1	Mechanical Engineering	<ul style="list-style-type: none"> • Workstation- Dual Intel Xenon Core Processors, 32 GB RAM, 7 TB Storage, Nvidia Quadro 8 GB Graphics Card and 21.5" wide screen monitors. • Laptops(2) – Core i7 Processor, 8 GB RAM, 1 TB storage, Nvidia GeForce 2 GB Graphics Card • HP laserJet Pro 100 color printer
2	Research Lab 2		<ul style="list-style-type: none"> • Surface Measuring Equipment MITUTOYO Portable surface Roughness Tester Model SurfTest SJ-310 • Metallurgical Microscope Inverted Metallurgical Microscope with computerized imaging kit, Model: DMI VICTORY Attachments 1. Color Image capture system 2. Image analysis system

28. Number of students of the department getting financial assistance from the college.
2012 – 14

S.No	Name of the Student	Course	Source of Fund	Amount in Rs. per month
1	Mohan. B	M.Tech(M.D)	TEQIP-II	8000
2	M. Siva Teja	M.Tech (M.D)	TEQIP-II	8000
3	S. Thriveni	M.Tech (M.D)	TEQIP-II	8000
4	C. Venkata Siva Murali	M.Tech (M.D)	TEQIP-II	8000
5	Meghashyam. P	M.Tech (AMS)	TEQIP-II	8000
6	Sayed Baba. N	M.Tech (AMS)	TEQIP-II	8000

2013 - 15

S.No	Name of the Student	Course	Source of Fund	Amount in Rs. per month
1	V. Ashok Kumar Reddy	M.Tech (AMS)	TEQIP-II	8000
2	M. Harish	M.Tech (AMS)	TEQIP-II	8000
3	A. Harsha Vardhan Reddy	M.Tech (AMS)	TEQIP-II	8000

4	D. Mahendar	M.Tech (AMS)	TEQIP-II	8000
5	K. Farhood	M.Tech (AMS)	TEQIP-II	8000
6	Mohammad Rizwan Ali	M.Tech (AMS)	TEQIP-II	8000
7	Mohan Sai Prasad	M.Tech (AMS)	TEQIP-II	8000
8	S. Ramarao	M.Tech (AMS)	TEQIP-II	8000
9	M. Sai Charan	M.Tech (AMS)	TEQIP-II	8000
10	N.R. Sai Kishore	M.Tech (AMS)	TEQIP-II	8000
11	M. Salma Sulthana	M.Tech (AMS)	TEQIP-II	8000
12	G. Sreekanth Reddy	M.Tech (AMS)	TEQIP-II	8000
13	G. Suraya Anjum	M.Tech (AMS)	TEQIP-II	8000
14	Syed Mohammed	M.Tech (AMS)	TEQIP-II	8000
15	N. Venkata Niranjan Kumar	M.Tech (AMS)	TEQIP-II	8000
16	U. Vishnuja	M.Tech (AMS)	TEQIP-II	8000

2014-16				
S.No	Name of the Student	Course	Source of Fund	Amount in Rs. per month
1	S.Dada Kalendar	M.Tech(M.D)	TEQIP-II	8000
2	J .Durganjali	M.Tech(M.D)	TEQIP-II	8000
3	Y.Venkatarama reddy	M.Tech(M.D)	TEQIP-II	8000

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology?

Yes.

NEW PG Course - M.Tech. (Advanced Manufacturing Systems) - Started 2012

About the Course: The Advanced Manufacturing Systems M.Tech course is designed to address the challenges of latest manufacturing and enterprise systems. It covers a breadth of subjects which enable students to appreciate and deal with complexities and challenges of modern industrial environments.

An extensive consultation with academic institutions, industry and research organizations has been taken in to consideration, while designing the program:

- Recent engineering graduates who are working with manufacturing organizations.
- Experienced manufacturing engineers working in industry, research organizations and faced with the challenge of new areas of responsibility.
- Managers and designers working in manufacturing organizations who are also involved in human resource development.

- Professionals from engineering and technology with appropriate SME business backgrounds working in consultancy and research roles also who have exposure in advanced manufacturing systems.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning evaluation? If yes, how does the department utilize it?

Yes.

- The department obtains feedback from faculty on curriculum as well as teaching learning-evaluation. Based on the feedback the curriculum and teaching-learning process is discussed with subject experts and experienced faculty.
- The outcome of the feedback is discussed during the department faculty meeting.
- The department takes necessary steps to rectify the drawbacks through the Board of Studies and Academic Council.

- b. Students on staff, curriculum as well as teaching – learning-evaluation and what is the response of the department to the same?

Based on the feedback collected from the students on the faculty and the result analysis, the following corrective measures and rewards are being taken up in the Institute.

Corrective measures:

- The faculty who scores less than 3.5 points on 5 -point scale will be identified.
- For the identified faculty members, HoD will provide corrective inputs.
- The Institution also sponsors for workshops and FDPs to improve their subject knowledge and teaching skills.
- The Institution organizes workshops on teaching methodologies.
- Digital library with e-material is made available to access different courses to enhance their teaching skills.

Rewards:

- A letter of appreciation is being given by the head of the institution for those who acquire the score points 4 and above on 5 point scale.
- A letter of appreciation is being given by the head of the institution to the faculty concerned, who have shown their active involvement in research.
- Institution also enhances the scale, gives promotion to the faculty members depending upon their performance, experience and qualification.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Yes.

- Alumni meet is conducted every year and feedback will be collected.
- Valuable suggestions from alumni members are collected for enhancing the professional standards of our institution.
- Feedback from the employers is also collected based on which the students are trained to meet the requirements of industry.

31. List the distinguished alumni of the department (maximum 10)

S.No	Year of Graduation	Name of the students	Designation	Company
1	2008	Dr.C.Obulesu	Lead Engineer	GE(Global Research),Combustion & kinetics, GE India Technology centre Pvt Ltd. Bangaluru.
2	2010	R.Nagaratana	Assistant Professor	Govt. Poly Technic College
3	2008	S.Shankar Reddy	Production Engineer	BEML, Bengaluru.
4	2010	K.Irshad	Senior Software Engineer	Patni Solutions Pvt Ltd.
5	2009	P.Raja Priya	Senior Software Engineer	Keane NTTA DATA Company
6	2010	G.Ravi Shankar Reddy	Purchase Manager	Gowri Ventures Pvt Ltd.
7	2014	Sowmya Sree	Design Engineer	Hyundai Motors
8	2014	Nagaraj Y	Boiler DCS Engineer	Sathavahana Ispat Limited (SIL) pvt ltd in Bellary
9	2010	N. Kiran Kumar	Senior Manufacturing Engineer	Gowri Ventures Pvt Ltd.
10	2010	V.Karthik	Sr.Design Engineer	Infotech Pvt Ltd. Hyderabad

32. Give details of student enrichment programmes (special lectures / workshops /seminars)with external experts.

S.No	Academic Year	No. of Programs
1	2016-2017	11
2	2015-2016	6
3	2014-2015	3
4	2013-2014	4
5	2012-2013	1
6	2011-2012	1
7	2010-2011	1

Academic Year 2016-2017				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	Guest lecture on “Technopreneurship as a career for Mechanical Engg. Students”	TEQIP II	14 th July 2016	Mr.Ravi Subramanyam MD Rise and Shine Group, Dubai
2	A One Day seminar on “Career Opportunities for Mechanical Engineers”	TEQIP-II	20 th July 2016	Dr. Ajay J. Singha Pune Dehradun & Manipal University, INDIA.
3	Guest lecture on “X-Ray Diffraction”	TEQIP-II	5 th August 2016	Prof. Rahul Basu Consultant
4	Guest lecture on “Aero-acoustic Characteristics of High Speed Jets”	TEQIP-II	6 th August 2016	Dr. K. N. Murugan CSIR-National Aerospace Laboratories, Bangalore
5	Guest lecture on “Geometrical Dimensioning & Tolerancing”	TEQIP-II	9 th August 2016	Dr. A. R. Raghunath Aditi Consultancy Services, Bangalore
6	Guest lecture on “Industrial Engineering towards Value Maximization”	TEQIP-II	16 th August 2016	Dr. K. K. Bhattacharya Professor at NSEC, Kolkata
7	Guest lecture on “Entrepreneurship for Young Engineers”	TEQIP II	22 nd August 2016	Dr. Rajkumar Gupta Consultant, R&D projects, Bangalore.
8	Guest Lecture on “Concepts and Scope of FEM/FEA in Static structural Analysis With Case Studies”	TEQIP II	23 rd August	Mr. J.R.K Murthy FEM Solutions Bangalore
9	Two day workshop on “Engineers day	TEQIP II	14-15 th	



	celebrations”		Sep 2016	
10	CEO Speak Session on Engineering students –Corporate Journey	TEQIP II	15 th Sep 2016	Mr.A.Ramana Prasad CEO, Amara Raja Electronics Ltd, Hyderabad
11	Guest lecture on “Energy Production – Use of Analysis”	TEQIP II	17 th Sep 2016	Dr. G. Sreenivasa Rao Lead Engineer, Combustion & Kinetics Lab, GRC, GE, Bangalore

Academic Year 2015-2016

S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	An expert lecturer on “Innovation and Entrepreneurship”	TEQIP II	13 th July 2015	Dr. Srinivas Rao BITS Pilani Dubai
2	A Expert Guest lecture on “Career Opportunities in Various Industries”	TEQIP II	21-22 nd July 2015	Dr. Benu Madhab AGM, Setco Automotives, Vadodara, Gujarat
3	Guest Lecture on “Latest Trends in New Product Development in CNC Machining”	TEQIP II	6 th October 2015	Mr. G. Ajitha Prabhu, Director, Kriatec Services Pvt Ltd, Chennai
4	An expert lecture “Emerging technologies in mechanical aeronautical domain”	TEQIP II	16 th March 2016	Mr. G.V.Krishna
5	An Interactive Session with Industry Expert on “Research and Consultancy Opportunities in Industry”	TEQIP II	18 th March 2016	Dr. Adinarayana Namburi Mechanical Engineering Consultanat and Steam Turbine Expert
6	National Level Students Technical Symposium in Mechanical Engineering, MECHONANCE’ 16	TEQIP II	2 nd April 2016	Dr. M.L.S. Deva Kumar Vice Principal JNTUA, Ananthapuram



Academic Year 2014-2015				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	A Guestlecturer on “Starting a knowledge based enterprise-the need of an entrepreneur	TEQIP II	26 th August 2014	Mr. Ajitha Prabhu Director, Kriatec solutions
2	A Guest lecturer on “Concepts of FEM”	TEQIP II	8-9 th Nov 2014	Dr. AVVSKS Gupta JNTU, Hyderabad
3	National Level Students Technical Symposium in Mechanical Engineering, MECHONANCE’ 15	MITs, Madanapalle	27 th March 2015	Prof. D. Durga Prasad Head, ME Department, JNTUA Anantapur

Academic Year 2013-2014				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	Guest lecture on “Challenges in developing Micro Air Vehicle and Funding opportunities of Student Projects”	TEQIP II	26 th October 2013	Dr.R. K. ELANGO VAN Country Head NAFEMS India Operations, Bangalore
2	Guest lecture on “Latest Trends in New Product Development-CNC Machining”	TEQIP II	29 th October 2013	Mr. G. AjithaPrabu Edgecam Software & Training Services
3	National Level Student’s Technical Symposium in Mechanical Engineering, MECHONANCE’ 14	MITs, Madanapalle	29 th March 2014	Prof. K. LAL KISHORE, Vice Chancellor, JNTUA, Anantapuram
4	A Expert lecture on “Infrared Thermography	TEQIP II	11 th April 2014	Dr. S.V.Prabhu Professor, ME Dept. IIT Mumbai

Academic Year 2012-2013				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	National Level Student’s Technical Symposium in Mechanical Engineering, MECHONANCE’ 13	MITs, Madanapalle	16 th Feb 2013	Dr. OVK Chetty, Professor Emeritis, IIT Chennai



Academic Year 2011-2012				
S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	National Level Student Technical Symposium, MECHONANCE'12.	MITs, Madanapalle	15 th March 2012	Dr. V. Pandu Rangadu JNTU Anantpaur

33. List the teaching methods adopted by the faculty for different programmes.

- **Lectures interspersed with discussions**

The lectures are carefully designed and delivered in order to impart an in-depth understanding of the respective course. The lectures are interspersed with discussions during which the students are encouraged to critically analyze a problem, compare multiple design alternatives, and identify the optimum solution. The lecturers frequently use real life examples to illustrate how innovative thinking can be effectively utilized to solve a design problem. Through the lectures as well the interspersed discussions the students are constantly made aware of the multi-disciplinary nature of the real life problem and the collaborative efforts that are required to achieve effective designs. At appropriate occasions during the lectures the significance of economical and financial factors and their role in the design process is elucidated to the students. The environmental, social and related aspects that are to be considered during design process are introduced to the students at appropriate times during the lectures and are also weighed in during the discussions.

- **Tutorials**

The systematic ways for solving design problems is put into practice by the students during the tutorials under the close supervision of the instructor. During tutorials the instructor guides students through the thought process that is required for critical analysis of the problem. The instructors constantly encourage the students to find innovative solutions to the design problems that are covered during the tutorials. All the modern tools and techniques that are taught to the student as part of the curriculum are practiced by the students under the supervision of the instructor during tutorials. Problems solved in the tutorials are carefully chosen such that economical and financial factors are also included in the analysis.

- **Seminar**

Seminars are included in the curriculum at different points during the program. In this course, students are encouraged to choose seminar topics that are technologically relevant and involve multi-disciplinary aspects so that they are obliged to acquire knowledge in an allied fields. Students prepare a technical report, a slide presentation and deliver a talk on the seminar topic which are assessed and the feedback is given to the student for continuous improvement. Preparing a report and presenting a seminar on a topic related to the course of study piques the learning zeal in the student and lays the necessary foundation for

him to engage in life long learning. Students are instructed to cover the environmental and social aspects in their seminars. While delivering the oral presentations students learn to gauge the audience response and accordingly assess their performance even before they receive the assessment from the instructor.

- **Project**

Project is mandatory for all the programs offered in the department. The projects are conducted by students under the close supervision of the faculty. The project topics are chosen such that in-depth knowledge of engineering and mathematics was needed for the project activities. The guides ensure that critical thinking and analysis are an integral part in both the project methodology as well as the analysis of the results. The guides necessitate the student to employ lateral thinking while conducting the project task and evaluate several possible alternatives before arriving at a solution. Project task requires the students to get help from other personnel both within the department and outside the department which helps the students in honing their teamwork skills. Also, research skills and methodologies are inevitably employed in the project. Periodic progress reports, intermediate review presentations, final thesis report, final viva-voce examination, conference paper presentations and journal publication are all essential components of project work which will improve the scientific communication skills of the students. As part of the project work, students inevitably have to learn unfamiliar topics and concepts that were not covered in the curriculum which helps them acquire the aptitude for independent life-long learning. Students are given ample independence in the project such that they will try various options and arrive at an appropriate solution in which process they often make mistakes and then realize their mistakes themselves and learn to avoid such lapses in the future.

- Massive Open Online Dynamic Learning Environment (MOODLE) used in all taught courses and programmes at MITS, Moodle is a virtual learning environment (VLE) that allows staff to create courses online. Content such as Syllabus, lecture notes, timetables and reading lists can be easily uploaded to course pages, providing a constant and easily accessible reference for students to consult. Moodle also offers a number of interactive tools, to get students engaging with course content and collaborating with their peers. The Assignments and tests can also be conducted to assess the students
- **Industrial Visits.** Industrial visits are arranged every semester for the students where two teachers accompany a batch of about sixty students to a one-day visit to a nearby industry. The teachers along with the engineers working at the host industry explain the operations at the industry and the relevance on what they study in the classroom to the design, operation and maintenance operations in the industry.



34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The UG programme in the Department was accredited by National Board of Accreditation (NBA) for a period of two years in the year 2013 under Outcome Based Education (OBE) model which was newly introduced by NBA at that time. It was reaccredited by National Board of Accreditation (NBA) for a period of two years in the year 2016. The Self- Assessment Report (SAR) for the PG programme in Machine Design (M. Tech M.D) is also submitted to NBA. The second and newest PG programme in the department, M. Tech AMS (Advanced Manufacturing Systems) will become eligible for NBA accreditation in year 2016.

In this regard, the department is following meticulous procedures, in accordance with the NBA guidelines, to both ensure the achievement of the programme objectives and to quantitatively assess the level of achievement, for all the programmes offered by the department. Salient features of this process are given below.

Programme Educational Objectives (PEOs)

PEOs are 3-4 broad statements that describe what graduates of a programme will achieve in their careers within 3-4 years after completion of the programme. For each program in the department PEOs are prepared in a thorough process that involves all the stakeholders of the programme. These PEOs are widely advertised and published in or through Institute website, Display boards, Orientation programmes etc. The PEOs of B.Tech program offered by the Mechanical Engineering Department are:

The graduates after completing the course will:

PEO1. Build a thriving career in mechanical engineering and allied disciplines.

PEO2. Design and produce products by the optimum methods for the benefit of the society while working in a team with ethical values.

PEO3. Engage in continuous learning to adapt to the socio-economic-technological developments and Pursue higher studies.

Programme Outcomes (POs) and Course Outcomes (COs)

POs are about 10-12 statements of what the students of the programme will be capable of by the time of graduation. POs are prepared for a program, in consultation with the stakeholders, such that they help in achievement of the PEOs and in addition they also address the Graduate Attributes (GAs) stipulated by the NBA. The POs are written such that they describe a wide range of attributes such as engineering knowledge, problem solving, ethics, social responsibility etc. that the student should possess at the time of graduation. The programme curriculum and the teaching learning methods are then designed based on the POs such that they are all geared towards PO achievement. These POs are widely advertised and published in or through Institute website, Display boards, Course files, Orientation programmes etc. The table below gives the one-to-one mapping of GAs and POs.

**Table: Mapping of POs with Gas stipulated by National Board of Accreditation
(NBA)**

S. No.	Graduate Attributes (GA's)	Programme Outcomes (PO's) At the end of the programme graduates are able to:
1	Engineering Knowledge	PO1. Utilize the knowledge of basic sciences and engineering principles for solving complex problems in mechanical engineering and allied disciplines.
2	Problem analysis	PO2. Analyze complex engineering problems using the systematic approach of problem identification, formulation, literature survey, analysis, and presenting conclusions.
3	Design/development of solutions	PO3. Design mechanical engineering components, systems or processes meeting specifications.
4	Conduct investigations of complex problems	PO4. Provide innovative solutions for complex engineering problems using appropriate research methodologies like experimentation, interpretation of data, and synthesis of new information.
5	Modern Tools Usage	PO5. Employ the modern engineering tools and techniques for expeditious and effective execution of tasks.
6	The engineer and society	PO6. Apply the knowledge of societal, health, safety and legal issues in professional engineering practice.
7	Environment and sustainability	PO7. Recognize the environmental impact of engineering activities and strive towards sustainable development of the humanity.
8	Ethics	PO8. Adhere to the ethical principles, responsibilities and standard norms of engineering practice.
9	Individual and teamwork	PO9. Work in multi-disciplinary and collaborative environment.
10	Communication	PO10. Communicate effectively with the engineering community and the society.
11	Project management and finance	PO11. Use the principles related to management and finance while working on a project as a member or a leader of a team.
12	Life-long learning	PO12. Involve in lifelong learning in order to continuously improve knowledge and keep abreast with new developments in the profession.



Outcome Based Curriculum

The curriculum for each programme is designed carefully to facilitate the attainment of programme outcomes that in turn facilitate the attainment of PEOs. It is ensured that there is ample breadth and depth in the curriculum to adequately address all the aspects covered by the stated POs. During the curriculum design inputs are also taken from Industry and from professional bodies like ASME. Students are encouraged to take up projects and in-plant training/internship programs in industries and such activities are facilitated by the Industry Institute Interaction Cell (IIC) of the college and the department coordinator for the same. In addition, IIC also arranges guest lectures, workshops and seminars for students by experts from Industry.

Outcome Based Teaching, Learning and Academic Support

The department strives to maintain adequate faculty strength to enable ample faculty attention towards each student both in class and out of the class. The lectures, tutorials and practical classes are all conducted keeping in view the respective COs and their attainment. Student feedback on the teaching is collected periodically and corrective measures are taken where necessary. Students are encouraged to engage in self-learning through available resources in the college like library, access to online courses etc. Further, they are also urged take part in the research activities of the faculty. Faculty are providing counseling and mentoring to students that are facing academic, disciplinary or personal problems.

In addition to the all the required laboratories, classrooms and libraries, the college boasts excellent additional facilities, resources and activities like sports amenities, NSS cell, Entrepreneurship Development Cell, foreign languages department, college day celebration, cultural fests, technical symposia and conferences to stimulate all-round development of the students. Students also benefit from a dedicated placement coordinator assigned to the department who works under the college placement cell to leverage the facilities and resources available in the college and in the department to enhance the employability of the students and to place them in suitable companies before graduation.

Monitoring the attainment of COs

COs for a course are 4-8 statements of what a student should be able to do at the end of that course to demonstrate his learning. The achievement levels of COs in each course are assessed through performance of students in the midterm tests, assignments and final exams. These achievement levels are used as a component in PO assessment.

Monitoring the attainment of POs

The attainment of POs is quantitatively assessed annually based on the performance of students in the coursework and also based on the surveys conducted at the end of each semester and at graduation. The student performance in activities like projects and seminars is systematically evaluated using elaborate rubrics that not only help make the evaluation process more transparent but also facilitate evaluation in terms of POs. The PO attainment levels are reviewed periodically and the detailed assessment of each individual PO helps in clear identification of weak areas in student learning and performance and enables formulation of specifically targeted corrective measures. The Programme Coordinator will monitor the activities related to the assessment of POs and ensuring their achievement.

Monitoring the attainment of PEOs

The level of attainment of these PEOs is assessed annually based on alumni and employer surveys that are conducted every year. In these surveys questions, which are directly related to the stated PEOs of the programme, are asked to programme alumni and their employers. Based on the responses received the level of attainment is quantified. This kind of assessment helps in identifying whether the PEOs are met and to what level. If the attainment is lower than anticipated the problem areas need to be identified such that corrective measures could be taken. If the attainment is higher than expected, it could mean that PEOs need to be modified to make them more ambitious. There is a designated Programme Coordinator for each programme to monitor the activities related to assessment of PEOs and ensuring their achievement.

Continuous Improvement

Continuous improvement is essential for sustained success and this is one of the criteria that NBA uses for award of accreditation. The department is following NBA guidelines for monitoring the trends of overall student performance across years using measures like Success Index and Academic Performance Index of the students. Similarly, the trends of the faculty strength, their qualification and contributions are also closely monitored and proactive steps are taken to ensure continuous improvement in these aspects. All efforts are made to predict the future needs for improvement in facilities and resources and measures are taken to develop the same in time.

35. Highlight the participation of students and faculty in extension activities.

The extension activities are conducted by the college level NSS cell in which students and faculty from all the departments actively participate. The following are the academic year wise details of different programs conducted by College NSS cell.

National Service Scheme Activities Done for the Academic Year 2016-2017

S.No.	Date	Event Name	Objective of the Program
1	31/10/2016	Anniversary of Sardar Vallabhbhai Patel	Rashtriya Ekta Diwas (National Unity Day)
2	15/10/2016	APJ Abdul Kalam Birthday Celebrations	Identifying the great personality and his contribution to the country
3	5/10/2016 To 7/10/2016	Meditation & Relaxation Techniques	Improve concentration, good sleep, & Relaxation
4	2/ 10/2016	Gandhi Jayanti	Inculcate patriotism
5	29 / 09/ 2016	Blood Donation Program	Save the Life of people
6	24/ 09/ 2016	NSS DAY	Encouraging the students towards service
7	18 /09/2016	Plantation Program	Environment Protection
8	8 /09/ 2016	World Literacy Day	Increase the literacy rate
9	5 th /09/ 2016	Teachers Day	Honoring the Teachers
10	29 / 09/ 2016	Vanam Manam Plantation Program	Environment Protection
11	12/07/ 2016	Plantation program	Environment protection
12	21/ 06/2016	International Yoga Day	Improving the Health Mental & Physical



National Service Scheme Activities Done For the Academic Year 2015-2016

S.No	Date	Event Name	Objective of the Program
1	17/03/ 2016	Blood Donation Program	Save the life of the people
2	28/ 02/ 2016	National Science Day	Inculcating the importance of Science Day
3	12/ 01/ 2016	Celebrations of 153 Birth Anniversary of Sh.Swami Vivekananda	Encourage youth Youth Day
4	14/11/2015	Swachha Bharat Anniversary	Clean & Green
5	29/10/201 5	Blood Donation	Saving the life's of people
6	2/10/2015	Swachha Bharat Gandhi Jayanti	Clean & Green
7	31/10/2015	Sardar Vallabhi Patel Birthday celebrations	Inculcating patriotism
8	24/09/2015	NSS Foundation Day	Encouraging the NSS volunteers
9	14/0902015	World first Aid Day	Improve the awareness on First Aid
10	9/09/2015 & 10/09/2015	SELF DEFENCE TRAINING FOR GIRLS	SELF PROTECTION FOR GIRLS
11	06/08/2015	Mega Medical & Health Camp	Medical Aid To Poor People Living In Angallu as We Adopted The Village
12	13/08/2015	Poetry competition conducted on 'ABJ Abdul Kalam', organized by NSS MITS University level	Extending our heartfelt salutes to the son of nation

National Service Scheme Activities Done For the Academic Year 2014-2015

S.No	Date	Event Name	Objective of the Program
1	20/10/14	Collecting donations for the victims of HUDHUD	Increasing the charity and self-responsibility
2	2/10/14	"SwachBharath Mission"	Massive mass movement to create clean India launched by Government of India
3	18/09/2014	Blood Donating Camp	To give safe blood is a privilege to receive safe blood is a right blood saves many more lives

The details of participation of students and faculty in other events and activities is given below.

2015-2016

S.No	Name of the student/faculty	Technical Event	Prize received	Place & Year
1	P.Naveen Kumar	1 day workshop	Participated	Ginserv , Bengaluru-2015



2	M.Nagarajuna Reddy	1 day workshop	Participated	Ginserv , Bengaluru-2015
3	P.Keshva Reddy	1 day workshop	Participated	Ginserv , Bengaluru-2015
4	G.Nihanth Kumar	Yantra-15	Participated	JNTUA,Pulivendula
5	P.Kishore Kumar	Yantra-15	Participated	JNTUA, Pulivendula
6	M.Jagadish Murthy	Yantra-15	participated/ 1st Prize	JNTUA, Pulivendula
7	P.Naveen Kumar	Yantra-15	Participated	JNTUA, Pulivendula
8	M.Nagarajuna Reddy	Yantra-15	Participated	JNTUA, Pulivendula
9	P.Keshva Reddy	Yantra-15	Participated	JNTUA, Pulivendula
10	K.Praveen Kumar	RoboZest	Conducted/ 3 rd Prize	Houston,U.S.A
11	G.Sharif	RoboZest	Conducted/3 rd Position	Houston,U.S.A

2014-2015

S.No	Name of the student/faculty	Technical Event	Prize received	Place & Year
1	M.Jagadeesh Murthy	Yantra-14	Paper Presented	JNTU Pulivendula-2014
2	D.Prathyusha	Yantra-14	Paper Presented	JNTU Pulivendula-2014
3	E.Prem Kumar	Yantra-14	Paper Presented	JNTU Pulivendula-2014
4	K.S.Shiva Pradeep Reddy	Yantra-14	Paper Presented	JNTU Pulivendula-2014
5	V.Tharun Kumar	Two Day Work shop	Participated	IISC Bangalore
6	B.Jagadeesh	Techno Quest-2015	Paper Presented	NBKR Nellore
7	M.jagadeesh Murthy	Techno Quest-2015	Paper Presented	NBKR Nellore
8	V.Tharun Kumar	Techno Quest-2015	Paper Presented	ACE MPL
9	G.Sri Hari Reddy	Techno Quest-2015	Paper Presented	ACE MPL
10	M.jagadeesh Murthy	Techno Quest-2015	Paper Presented	ACE MPL
11	P.Surya Teja	Techno Quest-2015	Paper Presented	ACE MPL
12	K.Mani Kanta	ASHV-15	Participated/ 1st Place	MITM MPL
13	P.Venkata Krishna	ASHV-15	Participated/ 1st Place	MITM MPL
14	G.Nihanth Kumar	ASHV-15	Participated/ 1st	MITM MPL



			Place	
15	CH.Vineel Kumar	ASHV-15	Participated/ 1st Place	MIT S MPL
16	S.Sai Kumar Reddy	ASHV-15	Participated	MIT S MPL
17	K.Padmaja	ASHV-15	Participated	MIT S MPL
18	K.Md.Faizan Basha	Mechonance-15	Participated/sec ond Prize	MIT S MPL
19	V.Tharun Kumar	Mechonance-15	Participated	MIT S MPL
20	R.Nagarajuna naidu	Mechonance-15	Participated	MIT S MPL
21	P.Keshva Reddy	Mechonance-15	Participated	MIT S MPL
22	P.Naveen Kumar	Mechonance-15	Participated	MIT S MPL
23	D.Prathyusha	Mechonance-15	Participated/ 1st Prize	MIT S MPL
24	S.M.D.Hussian	Mechonance-15	Participated	MIT S MPL
25	B.Jagadeesh	Mechonance-15	Participated	MIT S MPL
26	G.SHARIF	Mechonance-15	Participated/ second Prize	MIT S MPL
27	J.Ramachandra Reddy	Mechonance-15	Participated	MIT S MPL
28	K.Narendra	Mechonance-15	Participated	MIT S MPL
29	M.Krishna Chaitayna	Mechonance-15	Participated	MIT S MPL
30	S.Sainath	Photon -2015	Paper Presented	MIT S MPL
31	S.Sai Kumar Reddy	Photon -2015	Paper Presented	MIT S MPL
32	C.Gururam Prasad	Photon -2015	Paper Presented	MIT S MPL
33	C.Gururam Prasad	Photon -2015	Paper Presented	MIT S MPL
34	K.Prathap	Photon -2015	Paper Presented	MIT S MPL
35	B.Nagendra Babu	Photon -2015	Paper Presented	MIT S MPL
36	G.Sisira	Photon -2015	Paper Presented	MIT S MPL
37	K.Asalam Baba	Photon -2015	Paper Presented	MIT S MPL
38	N.Nanda Kiran	Photon -2015	Paper Presented	MIT S MPL
39	P.Jyothi Babu	Photon -2015	Paper Presented	MIT S MPL
40	P.Jyothi Babu	Photon -2015	Paper Presented	MIT S MPL
41	S.Sai Prakash	Photon -2015	Paper Presented	MIT S MPL
42	S.Sai Prakash	Photon -2015	Paper Presented/ 1st Prize	MIT S MPL
43	N.Nanda Kiran	Photon -2015	Paper Presented	MIT S MPL

2013-2014

S.No	Name of the student/faculty	Technical Event	Prize received	Place & Year
1	E.Prem Kumar	Mechonaance-14	Paper Presented	MIT S-2014
2	D.Prathyusha	Mechonaance-14	Paper Presented	MIT S-2014



3	M.krishna chaitanya	PHOTON-14	Paper Presented	MITS-2014
4	M.jagadeesh Murthy	PHOTON-14	Paper Presented	MITS-2014
5	Mujeebu Rehman Khan	PHOTON-14	Paper Presented	MITS-2014
6	V.Tharun Kumar	PHOTON-14	Paper Presented	MITS-2014
7	B.Jagadeesh	PHOTON-14	Paper Presented	MITS-2014
8	P.Surya Teja	PHOTON-14	Paper Presented and 1st Prize	MITS-2014

2012-2013

S.No	Name of the student/faculty	Technical Event	Prize received	Place & Year
1	Shiva Pradeep	PHOTON-13	Volunteer	MITS-2013
2	D.Prathyusha	PHOTON-13	Paper presented	MITS-2013
3	P.Hasitha	PHOTON-13	Paper presented	MITS-2013

36. Give details of “beyond syllabus scholarly activities” of the department.

The department of Mechanical Engineering is in the forefront of taking up enthralling activities **beyond the scope of the prescribed syllabus** of the affiliating University/approved syllabus of the Institute with a view to enrich the capabilities of our students through varieties of innovative and novel activities. They are as follows

1. Arranging Guest lectures by people of achievement and eminence on selected topics of a course finding extended relevance in professional environment.

S. No	Name of the Programme	Funding Agency	Date	Resource Persons
1	Guest lecture on “X-Ray Diffraction”	TEQIP-II	5 th August 2016	Prof. Rahul Basu Consultant
2	Guest lecture on “Aero-acoustic Characteristics of High Speed Jets”	TEQIP-II	6 th August 2016	Dr. K. N. Murugan CSIR-National Aerospace Laboratories, Bangalore
3	Guest lecture on “Geometrical Dimensioning & Tolerancing”	TEQIP-II	9 th August 2016	Dr. A. R. Raghunath Aditi Consultancy Services, Bangalore
4	Guest Lecture on “Concepts and Scope of FEM/FEA in Static structural Analysis With Case Studies”	TEQIP II	23 rd August	Mr. J.R.K Murthy FEM Solutions Bangalore

5	Guest lecture on “Energy Production – Use of Analysis”	TEQIP II	17 th Sep 2016	Dr. G. Sreenivasa Rao Lead Engineer, Combustion & Kinetics Lab,GRC,GE, Bangalore
6	An expert lecturer on “Innovation and Entrepreneurship”	TEQIP II	13 th July 2015	Dr. Srinivas Rao BITS Pilani Dubai
7	Guest Lecture on “Latest Trends in New Product Development in CNC Machining”	TEQIP II	6 th October 2015	Mr. G. Ajitha Prabhu, Director, Kriatec Services Pvt Ltd, Chennai
8	An Interactive Session with Industry Expert on “Research and Consultancy Opportunities in Industry”	TEQIP II	18 th March 2016	Dr. Adinarayana Namburi Mechanical Engineering Consultant and Steam Turbine Expert
9	Guest lecture on “Latest Trends in New Product Development-CNC Machining”	TEQIP II	29 th October 2013	Mr. G. AjithaPrabu Edgecam Software & Training Services
10	A Expert lecture on “Infrared Thermography	TEQIP II	11 th April 2014	Dr. S.V.Prabhu Professor, ME Dept. IIT Mumbai

2. Mini- projects (Multi-disciplinary) are mandatory for all the pre-final year students of the UG program (introduced in the academic year 2016 – 17) in diverse disciplines of Engineering offered at the Institute. The Specific activity is not a part of the course curriculum but carry a weightage for consideration in placement related activities. Some sample mini-projects are given below:

S. No	Project Title	Students	Guide (s)
1	Swarm robot prototype using radio frequency and mobile controlled robot with DTMF technology	Bharath kumar T., 14691A0323, ME, Bhavith Kumar Reddy L.S., 14691A0326, ME, Uday C., 14699A0405, ECE, Tejeshwar Prasad C., 14699A0404, ECE,,,	Mr.Guru Mahesh G., Assistant Profesor,ME ,Mr.Jagadeesh Babu.M Asst.Professor,ECE,,,
2	Smart intelligent unmanned helicopter	E. Bhargav krishna, 14691A0325, ME, Raghavendra Prasad. G, 14691A03B3, ME, B. Anil	S.praveen kumar, Assistant Profesor,ME, D.Raghuram,Asst.profesor,



		kumar,14691A0411,ECE,R.Ganesh ,14691A0447,ECE,S.Ajay Babu,14691A0304,ME	ECE,,,
3	Repair and restoration of worn out surfaces through reverse engineering and 3D printing	Tailor Fahad Khan, 14691A0334, ME,B.Mohammad Gazani, 14691A0379, ME,Shaik Mohammed Shareef,14691A0385,ME,S.Ganesh ,14691A0448,ECE,M.Naveen,14691A0561,CE	Dr.Yuvaraj,P.H.D,ME,Dr. Veningston,P.H.D,CSE, Ms.Hemantha Lakshmi,ASSIS PROF,ECE
4	Generation of power from speed breakers to automatic street lights	K.Manoj, 14691a0376, ME, B.Reddy prasd, 14691a03c9, ME, D.Hima Bindu, 14691a0467, ECE, Krishanaveni,14691a0480,ECE.	Baskaran, Assoc. Professor, ME, Thamarai,Professor,ECE,,,
5	Domestic Multi Purpose Alarm	Gori Nawaz Ali Khan, 14691A03A0, ME,K.Muni Pavan Kumar, 14691A0388, ME,G.Ramesh,14691A03C2,ME, T.C.Mani Kanta 14691A0496,ECE,G.Manideep,14691A0495,ECE	Mr.Roshan,Assistant Profesor, ECE, Mr.Praveen,ASSIS PROF,ME,,,
6	Automatic break failure indicator	N. Pavankalyan, 14691A03A3, ME,K. Mallikarjuna Reddy, 14691a0371, ME,N. Kiran kumar,14691a0361,ME,Kalisetty saipoojitha,14691A04G4,ECE,K. KOMAL,14691A0363,ME	S. Baskaran,Associate professor,ME
7	Automated movable vehicle controlled by android device.	G.Sai Kiran Reddy, 14691A03D5, ME,S.Gouse Bava, 14691A0342, ME,K.Ashok Kumar,14691A0509,CSE,M.Mahesh Babu,14699A0526,C.S.E,G.venkatesh,14691A04L0,ECE	Dr.V.T Kesavan,Assistant Profesor,CSE, Dr.A. Balaraju, Asso. professor,ME, S.Usha Rani,Asst.Professor ,ECE
8	Robtic fire extinguisher using quadcopter	D s Sai kiran, 14691A03D6, ME,tharun kumar, 14691A03G7, ME,p.saradhi,14699A0417,ECE,Anoop Robison Micheal,14691A0414,ECE,Sardar, 14691A03E8,ME	G.Sayiram,ASSI.prof,ME, Sreenath,ASSi.prof,ECE,,,
9	Design of safety automated control system of domestic lpg	Sai Kumar Reddy. S, 14691A03D8, ME,Muzfar Hussain. S, 14691A0390, ME,K. Nishkala	Mr. Gunashekar Reddy,Assistant Profesor,ME,Dr. Roshan



	regulator	,14691A04C1,ECE,O. Praveena,14691A04D7,ECE, C. Bhargava,14691A0423,ECE	Kumar,Sr. Asst. Professor,ECE,,,
10	Sensor oriented vehicle protection and detection	Sibyala Sai Prakash, 14691A03D9, ME,B. Lalitha Rani, 14691A0484, ECE, Pottety Suneel Kumar REDDY,14691A03G3,ME, K Pravallika,14691A0567,CSE, S vandana,14691A04K4,ECE	Dr P Suryanarayana Raju ,Professor,ME,Mr B Vamsikrishna,Asst Professor,ECE,Dr K Veningston,ASSO PROF,CSE
11	Automated land surveying using robot	Seela Sainath, 14691A03E6, ME,M.Manogna Lakshmi, 14699A0408, ECE,K.S.Pavan kumar Reddy,14691A0156,CE, N.Kavya Vani,14691A0538,CSE, T.Sai,14691A03E4,ME	Dr. Prabhakar Sathujoda,Dean&Professor ,ME,Dr. J. L. Mazher Iqbal,Professor,ECE,Dr. Dhirendra Kumar Sharma,Sr. Asst. Professor,CSE
12	Automatic engine locking system for drunken drivers	M.Yeswanth, 14691A03J2, ME,C.Shirishareddy, 14691A04H7, ECE,P.Poojitha,14691A04D4,ECE, A.sravani kumari,14691A04H9,ECE,A.N.Bharath,14699A0302,ME	S.karemulla,ASSISTANT PROFESSOR,ME,Dr.Roshan,Asst. Professor,ECE,,,
13	Intelligent brake system	K.Sreevani, 14691A03J9, ME,N.prasanna kumar, 15695A0316, ME,P.Radhika,14691A0576,CSE, J.R.Nirosha,14691A0250,EEE,K.harithish reddy,15690A0202,EEE & ECE	G.Guru Mahesh,Assistant Profesor,ME, Kamal Basha,HOD,EEE & ECE,Wilson Thomas,Assist.Prof,CSE.
14	Design and fabrication of solar umbrella	Hemanth Kumar Reddy.B, 14691A03K6, ME,Viswanatha Reddy.K, 14691A03I9, ME,Sravan Kumar.R,15695A0436,ECE, Guru Raju.Y,15695A0411,ECE,Yuva Kumar.A,14699A0412,ECE	Mr.Venkata Ramana.P,Asst.Profesor,ME, Mr.Ashok Kumar.L,M.Tech,ECE,,,
15	Design of wall climbing robot	Gangavaram Chaitanya, 15695a0304, Me,Bandaru Sravani, 14691A0593, CSE,Mavilla Sailaja,14691A04G7,ECE,Cheruvu Sabiha,14691A04F9,ECE,G.Chaitanya,15695a0304,ME	Dr.T.Vishnuvardhan,Associate professor,ME,M.Sreenath Reddy,Asst.professor,ECE,
	Design & fabrication	Shaik Mohammed Khalid,	V. Ajay,Assistant



16	of digital fuel indicator for automobile vehicle	15695A0328, ME,s. vijaya kanth, 15695A0323, ME,vempalli mahammad ghouse,14691A04A3,ECE,k.padma nabha reddy,15695A0428,ECE,,,	profesor,ME, Dr.D.Rajaveerappa,Professor,ECE.
17	Automated railway gated system	S Naveen Kumar, 15695A0330, ME,J Ganga Prathap, 15695A0306, ME,K Hemanth,15695A0231,EEE & ECE,S Shareef Basha,15695A0223,EEE,C Venkata Naga Jaswanth,14691A03H5,ME	Sreenivasulu Bezawada,Assistant Profesor,ME, D Chinna Kullay Reddy,Asst Proffesor,EEE & ECE,
18	Rain sensor windshield wiper (submitted)	A S Raj Kumar, 14691A03B4, ME,M Nishith, 14691A03A1, ME,P Mounik,14691A04A5,ECE,M Mani,14691A0494,ECE,R Manjunatha,14691A0552,CSE	Dr. A Balaraju,ASSO PROF,ME, Dr. G. Hari krishnan, Asst. Professor,ECE,
19	Foot step piezo electric power generation	S Mynuddin, 14691A0391, ME,B Mallikarjuna, 14691A0372, ME,S. V. Mohana kumari ,14691A0556,CSE,V. Hima bindu ,14691A0468,ECE,k. Manasa,14691A0493,ECE	Mr sreenivasulu Bezawada,Asst professor,ME,D.Sudhakar, Assoc professor,Ece,
20	Automatic wall painting robot	Poola Harish Kumar, 14691A0347, ME, Sige Arjun, 14691A0312, ME, A. Abhishek,14691A0302,ME,C Jhansi Lakshmi,14691A0475,ECE, Thunga Manoj Kumar Reddy,14691A04A0,ECE	Dr. Thamarai,Professor,ECE, Mr. Manu Ravuri,Asst. Professor,MECH,

3. Visits to professional environments upon following protocols involved in the process are arranged for the benefit of the students so as to get first hand as well as hands on information and knowledge related to the profession thus enriching them with the issues involved in the translation of theory to practice.

S.NO	DATE	NAME OF THE INDUSTRY	VISTED STUDENTS	COORDINATORS FOR VISIT
1	21 Feb 2015	APSRTC Garage, Madanapalle	IV B.Tech,ME-A,60 No's	1.Rayudu peyyala 2.V.Ajay
2	5 Mar 2015	Mangal Industries Ltd. Subsidiary of Amara Raja	III B.Tech ME-A & B, 128 No's	1. Rayudu peyyala 2.V.Ajay 3.Guru Mahesh 4.P.V Ramana



		Batteries, Chittoor		
3	19 Mar 2015	APSRTC Garage, Madanapalle	IV B.Tech A/s & B/s 128 No's	1.Rayudu peyyala 2.V.Ajay
4	4 April 2015	APSRTC Garage, Madanapalle	II B.Tech-C 60 No's	1.Rayudu peyyala 2.V.Ajay
5	19 Sept 2015	Atmika Paper Mills, Molakalacheruvu, Chittoor Dist.	III B.Tech ME-A & B 120 No's	1.Mr.P.Rayudu 2.Mr.G.Sadasiva Prasad 3.Mr.ch.Sreenivasa Rao
6	28 Mar 2016	KNM Cold Storage, Angallu, Chittoor Dist.	II B.Tech, ME-A,B,C,D 120 No's	1.Mr.P.Rayudu 2.Mr.P.Venkata Ramana 3. Mr. V. Ajay
7	28 Mar 2016	Atmika Paper Mills, Molakalacheruvu, Chittoor Dist.	II B.Tech ,ME-A,B,C,D120 No's	1.Mr.P.Rayudu 2.Mr.P.Venkata Ramana 3. Mr. V. Ajay
8	29 Mar 2016	Sharon Cold Storage, Chittoor Dist.	III B.Tech ,ME-A,B,C,D 200 No's	1.Mr.P.Rayudu 2.Dr.P.S.N.Raju 3.Mr.CH.S.Rao 4.Mr.P.Venkata Ramana
9	07 Oct 2016	Mangal Industries Ltd. Subsidiary of Amara Raja Batteries, Chittoor	IV B.Tech, ME-A & B 100 No's	1.Mr.P.Rayudu 2.Mr.P.Venkata Ramana 3.Mr. Ajay 4.Dr.T. Vishnuvardhan

37. State whether the programme /department is accredited / graded by other agencies. Give details.
- The UG Program -B.Tech (Mechanical Engineering)has got accreditation by NBA for 2 years in the year 2013.
 - Again the UG program was reaccredited in 2016.
38. Detail any five strengths, weaknesses, Opportunities and Challenges (SWOC) of the department.

	Positive	Negative
	Strengths	Weaknesses
Internal Factors	1. Well qualified, experienced and dedicated faculty	1. Insufficient accommodation in hostel.
	2. Large student body	2. Low motivation in students
	3. Promising research program	
	4. TEQIP support for faculty development	
	5. State of the art lab for Computer Aided Engineering (CAE)	

	Opportunities	Challenges
External Factors	<ol style="list-style-type: none"> 1. Building research collaboration with CMTI Bangalore 2. Collaborating with industries in Bangalore for research and student placements. 3. Collaboration with Kingston University in London in research. 4. Availability of government schemes and grants such as 'Skill India' aimed at tier 2 colleges. 	<ol style="list-style-type: none"> 1. Rural location 2. Faculty retention 3. Too many other colleges in the region that attract students with low fee.

39. Future plans of the department

- * Establish two Centers of Excellence in the areas of 'Materials Technology' and 'Computational Engineering' to promote research and consultancy activities of the faculty through these centers by the end of 2017.
- * Hire adjunct faculty from the industry and research organizations to teach the curriculum from the application point of view, thus enhancing their employability.
- * Establish faculty networks with friends as well as alumni, with the aim of providing industry linked projects and internships with industries and research organizations for 50% of eligible students in AY 2016-17.
- * Strengthen GATE training program to secure at least 10 GATE ranks in 2017 and 20 ranks in 2018.
- * Modernize Strength of Materials, Thermal Engineering Lab, and Fluid Mechanics lab with latest equipment
- * Design, develop and offer a new PG course in collaboration with an industry partner with assured employment
- * Implement 'Spend Time in Industry' program for faculty to increase their awareness of the current trends, expectations and requirements in industry which may be transferred to students in the class and considered in curriculum development as well.
- * Introduce special programs for the students on 'goal setting', 'Improvement of Willingness to learn', 'Personality Development' etc. to facilitate overall development of students.
- * Organize social service activities, at least two programs in a calendar year, to inculcate social awareness and civic responsibility in student community.

Evaluative Report of Electronics and Communication Engineering Department

1. Name of the Department & its year of establishment :

Electronics and Communication Engineering & 1998

2. Names of Programmes / Courses offered

U.G : B.Tech in Electronics and Communication Engineering

P.G : 1. M.Tech in Digital Electronics and Communication Systems

2. M.Tech in VLSI and Embedded Systems

Ph.D: All thrust areas in Electronics and Communication Engineering

3. Interdisciplinary courses and departments involved :

S.No	Course offered	Year & Semester	Name of department involved
1	Differential Equations & Laplace Transforms	B.Tech II & I	Mechanical Engineering
2	Principles of Economics	B.Tech II & I	Management studies
3	Electrical Machines	B.Tech II & I	Electrical & Electronics Engineering
4	Probability & Statistics	B.Tech II & II	Basic Science & Humanities
5	Principles of Management	B.Tech II & II	Management studies
6	Soft Skills	B.Tech III & II	Basic Science & Humanities
7	Object Oriented Programming	B.Tech IV & I	Computer science Engineering
8	Object Oriented Programming Practicals	B.Tech IV & I	Computer science Engineering

4. Annual/ semester/choice based credit system : **Semester System**

5. Participation of the department in the courses offered by other departments

S.No	Course offered	Year & Semester	Name of department involved
1	Micro Electronic Circuits	B.Tech II Year I sem	Electrical and Electronics Engineering
2	Electronic Devices and Circuits	B.Tech II Year I sem	Electrical and Electronics Engineering
3	Electronic Devices and Circuits	B.Tech II Year I sem	Computer science and Engineering
4	Data Communications Systems	B.Tech II Year I sem	Information Technology
5	Electronic devices and Circuits lab	B.Tech II Year I sem	Electrical and Electronics Engineering
6	Analog Electronic Circuits	B.Tech II Year II sem	Electrical and Electronics Engineering



7	Signals and Systems	B.Tech III Year I sem	Electrical and Electronics Engineering
8	Digital Logic Design	B.Tech III Year I sem	Computer science and Engineering
9	Microprocessor and Interfacing	B.Tech III Year I sem	Computer science and Engineering
10	Analog Electronics lab	B.Tech III Year I sem	Electrical and Electronics Engineering
11	Microprocessor and Microcontroller	B.Tech III Year II sem	Electrical and Electronics Engineering
12	Linear and Digital IC applications	B.Tech III Year II sem	Electrical and Electronics Engineering
13	Microprocessor and Microcontroller	B.Tech III Year II sem	Computer science and Engineering
14	Microprocessor and Interfacing Lab	B.Tech III Year II sem	Computer science and Engineering
15	Microprocessor and Microcontroller	B.Tech IV Year I sem	Information Technology
16	Digital Signal Processing	B.Tech IV Year I sem	Electrical and Electronics Engineering
17	Microprocessors and Micro Controller lab	B.Tech IV Year I sem	Electrical and Electronics Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	Sanctioned	Filled
Professors	7	7
Associate Professors	3	3
Assistant Professors	53	53

7. 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.G.Soundra Pandian	Ph.D	Professor	RF Components	30	2
2.	Dr.A.R.Reddy	Ph.D	Professor	Devices	31	2
3.	Dr. S. A. K. Jilani	Ph.D	Professor	Digital signal Processing	15	Nil



4.	Dr.D.Rajaveerappa	Ph.D	Professor	Wireless networks	27	1
5.	Dr.S.Solai Manohar	Ph.D	Professor	Electrical Engineering	16.5	2
6.	Dr. J. L. Mazher Iqbal	Ph.D	Professor	VLSI Signal Processing	15	NA
7.	Dr. M.Thamarai	Ph.D	Professor	Digital Image Processing,	17	NA
8.	Dr. Gautam Narayan	Ph.D	Associate Professor	Solar Physics	5	NA
9.	Dr.Sudhakar T	Ph.D	Associate Professor	Medical Image Analysis	7	NA
10.	Dr. S. Javeed Hussain	Ph.D	Associate Professor	Digital Image Processing	11	NA
11.	Dr.S.Rajasekaran	Ph.D	Senior Assistant professor	Information and Communication Engineering	11	NA
12.	Dr. G. Hari Krishnan	Ph.D	Senior Assistant professor	Medical Instrumentation	10	NA
13.	Dr.Roshan Kumar	Ph.D	Senior Assistant professor	Signal processing	6	NA
14.	Dr.Sathees Kumar Nataraj	Ph.D	Senior Assistant Professor	Artificial Intelligence	1.7	NA
15.	Dr.Gopi Ram Hardel	Ph.D	Senior Assistant Professor	Antenna array pattern optimization, Applications of soft computing in electromagnetics	2	NA
16.	Dr. R. Sitharthan	Ph.D	Senior Assistant Professor	Electrical Engineering	1.3	NA
17.	Mrs.Usha Rani	M.E	Assistant Professor	Communication Networks Signal Processing	13	NA
18.	Mr.M.Karthikeya	M.E	Assistant Professor	Wireless Communication	2	NA
19.	Mr.Gajendra Sharma	M.E	Assistant Professor	Measurements and Control	2.4	NA
20.	Mr. J. N. Swaminathan	M.Tech	Assistant Professor	Electronics & Communication Engineering	5.7	NA
21.	Mr. M. JagadeeshBabu	M.E	Assistant Professor	Applied Electronics	11	NA
22.	Mr. B. Sukumar	M.Tech,	Assistant Professor	DECS	10	NA
23.	Mr. V. Sai Kumar	M.Tech	Assistant Professor	VLSI Design	10	NA
24.	Mr. M. Sreenath Reddy	M.E	Assistant Professor	Analog Electronics	8	NA



25.	Mr. G. Sambasiva Rao	M.Tech	Assistant Professor	Micro Wave Engineering	7	NA
26.	Mr. Shaik Khadarvali	M.Tech	Assistant Professor	Power Systems	6	NA
27.	Mr. S. Arun	M.Tech	Assistant Professor	VLSI Design	7	NA
28.	Ms. C. K. Hemantha Lakshmi	M.Tech	Assistant Professor	VLSI Design	7	NA
29.	Mr. P. R. Rathna Raju*	M.Tech	Assistant Professor	Communication Systems	7	NA
30.	Mr. J. T. Pramod	M.Tech,	Assistant Professor	Digital Electronics and Communication Systems	7	NA
31.	Mr. U. Sreenivasulu	M.Tech,	Assistant Professor	VLSI, Wireless Communication	5	NA
32.	Mr. L. Ashok	M.Tech	Assistant Professor	Telecommunications	4	NA
33.	Mr. B. Vamsi Krishna	M.Tech	Assistant Professor	Communication Signal Processing	6	NA
34.	Mr. M. VenkataSrinu	M.Tech	Assistant Professor	Signal Processing	5	NA
35.	Mr. R. Ravindraiah	M.Tech	Assistant Professor	Digital Electronics and Communication Systems	5	NA
36.	Mr. Shantanu Saha	M.Tech	Assistant Professor	Radio Physics and Electronics	2	NA
37.	Mr. V. Satish Kumar	M.Tech	Assistant Professor	Signal Processing	4	NA
38.	Mr. D. Girish Kumar	M.Tech	Assistant Professor	Communication & Signal Processing	4	NA
39.	Mr. P. Durga Nagendra Kiran	M.Tech	Assistant Professor	Embedded Systems & Processing	2	NA
40.	Ms. D. N. Keerthana	M.Tech	Assistant Professor	Embedded Systems	2	NA
41.	Mr. S. Tamil Selvan	M.Tech	Assistant Professor	Power Electronics and Drives	4	NA
42.	Mr. Issac Gaberiel . A	M.E	Assistant Professor	Communication Systems	2	NA
43.	Ms. J. Mary Angel Asha Latha	M.Tech	Assistant Professor	VLSI Design Embedded Systems	2	NA
44.	Mrs. A. Chandra Kala	M.Tech	Assistant Professor	VLSI Design	1.4	NA
45.	Mr. Vivek. V. Kajagar	M.Tech	Assistant Professor	VLSI & Embedded Systems	2	NA
46.	Mr. G. Subbarao	M.Tech	Assistant Professor	Digital Electronics and Communication Systems	2	NA
47.	Mr. E. Ramesh	M.Tech	Assistant Professor	Digital Electronics and Communication Systems	2	NA
48.	Mr. R. S. Shaikvali. Malik	M.Tech	Assistant Professor	Micro & Nano Electronics	2	NA



49.	Mr. D. Raghuram	M.E	Assistant Professor	Embedded Systems	1.6	NA
50.	Mr. R. MadhuKrishna	M.Tech	Assistant Professor	Digital Electronics and Communication Systems	1	NA
51.	Mr. G. Rajiv	M.Tech	Assistant Professor	VLSI Design	1	NA
52.	Mr. Shaik Tipu Rahaman	M.Tech	Assistant Professor	Digital Electronics and Communication Engineering	1	NA
53.	Mr. K. MD. Riyaz Ali	M.Tech	Assistant Professor	Electrical Power systems	2	NA
54.	Mr.Rahim Baksh	M.Tech	Assistant Professor	Digital Electronics and Communication Systems	6 months	NA
55.	Mr. V. Mustafa	M.Tech	Assistant Professor	VLSI & Embedded Systems	1 Month	NA
56.	Mr. S. Shakirbasha	M.Tech	Assistant Professor	VLSI & Embedded Systems	1 Month	NA
57.	Ms. S. Ayesha Tanveer	M.Tech	Assistant Professor	Digital Electronics & Communication Engineering	1 Month	NA
58.	Mr. Y. Pradeep Kumar	M.Tech	Assistant Professor	Solar Power System	1 Month	NA
59.	Ms. V. Tejaswitha	M.Tech	Assistant Professor	VLSI and Embedded Systems	1 Month	NA
60.	Mr.Rajendra Prasad.P	M.Tech	Assistant Professor	Digital Electronics & Communication Engineering	1 Month	NA
61.	Mr.Bharath Srinivasulu	M.Tech	Assistant Professor	VLSI and Embedded Systems	1 Month	NA
62.	Ms.M.S.Shivaganga	M.Tech	Assistant Professor	Digital Signal and Image Processing	1 Month	NA
63.	Mr. Deepta Sundar Mishra	M.Tech	Assistant Professor	Control Systems	2 weeks	NA

8. Percentage of classes taken by temporary faculty – programme-wise information : **Nil**

9. Programme-wise Student Teacher Ratio

S.No	Programme	Student-Teacher ratio
1.	UG	16:1
2.	PG	12:1



10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

S.No	Staff Category	Sanctioned	Filled
1.	Lab Assistants	6	6
2.	Administrative staff	1	1
3.	Support staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Total number of faculty involved: National – 04, International - 05 [WIP]

A) National Agencies : 04 [UGC, DST]

B) International Agencies : TEQIP

C) Total grants sanctioned: 38.6 Lakhs

D) Total grants received: 25.5 Lakhs

List of Projects funded by National agencies:

Sno	Academic Year/ Month	Name of the Faculty	Title of the Project	Amount Sanctioned	Amount Received	Duration	Type & Sponsoring agency
1	2015-16 / Nov 2015	Dr. S. A. K. Jilani	Brain Test Adequacy Systems for Young India	26,70,000	15,60,000	2015 To 2018	Major Research Project, DST (National)
2	2014-15 / Mar 2015	Dr.Mazher Iqbal	3-D Intelligent information system for identifying suspicious activity	3,70,000	3,55,000	2015 To 2017	Major Research Project, UGC (MHRD)
3	2014-15 / Jan 2015	Mr.M.Jagadeesh Babu	Monitoring of water level variations in rivers, dams, reservoirs and Flood Alert System using wireless sensor Networks	4,50,000	3,65,000	2015 To 2017	Minor Research Project, UGC (MHRD)
4	2014-15 / Jan 2015	Mr.V.Satish Kumar	Development of Advanced Image	3,70,000	2,70,000	2015 To 2017	Minor Research Project,



			Processing Methods for assessing and monitoring the content of Trees Outside Forests using IRS High Resolution Satellite Images				UGC (MHRD)
--	--	--	---	--	--	--	------------

List of Projects funded by International agencies:

Sno	Academic Year/ Month	Name of the Faculty	Title of the Project	Amount Sanctioned	Amount Received	Duration	Type & Sponsoring agency
1	2016-17	Dr. M Thamarai	Smart tube light system	WIP	--		Minor Research Project, TEQIP
2	2016-17	Dr. N Sathees Kumar	Fundamental Analysis on ECU Signals for the development of Fault Diagnosis System Using Artificial Neural Networks	WIP	--		Minor Research Project, TEQIP
3	2016-17	Dr. S Javeed Hussain	Detection of brain activity with an automated system hardware for accurate diagnostic of mental states of young brain to improve learning mechanism	WIP	--		Minor Research Project, TEQIP
4	2016-17	S. Usha Rani	Object Tracking using Particle Filter	WIP	--		Minor Research Project, TEQIP
5	2016-17	R.	Lesion	WIP	--		Minor



		Ravindraiah	detection in diabetic retinopathy images using kernel induced spatial fuzzy clustering approach				Research Project, TEQIP
--	--	-------------	---	--	--	--	-------------------------

*WIP : Work in Progress

12. Departmental projects funded by DST-FIST; DBT, ICSSR and FIST etc. : **NIL**

13. Research facility / centre with

- State recognition – 1. Research Centre recognized by JNTUA-Anantapur
2. Andhra Pradesh State Skill Development Center (www.appsdc.in)
- National recognition – Registered as Scientific & Industrial Research Organization by DSIR and DST.
- International recognition – TEQIP

14. Publications

- * Number of papers published in peer reviewed journals:191 (Both National and International)
- * Monographs: Course files – 200+, Lab manuals- 10
- * Chapter(s) in Books: 5
- * Editing Books: Nil
- * Books with ISBN numbers with details of publishers: 6
- * Number listed in Database: 58
- * Citation Index average: 3.51
- * SNIP Average 0.606; Max range 2.7 to Min range 0.06,
- * SJR Average 0.45; Max range 3.956 to Min range 0.03,
- * Impact factor 0.272; Max range 5.185 to Min range 0.048,
- * h-index Average - 0.75; Max range 5 to Min range 0;

15 Details of patents and income generated : Work in Progress

16 Areas of consultancy and income generated: Expertise related to Digital Image Processing, Wireless Communications, Embedded Systems.

17 Faculty recharging strategies

The recharging strategies are

- Sponsoring to FDP's, over and above the policies of the institute related to the same.



- Appropriate levels of promotion and salary based on PBAS.
- Implementation of pay scales as per central government and UGC norms.
- Training, workshops on new technologies were arranged for the faculty.
- Conducting interactive sessions with experts from industry and academia.
- Conducting training on modern pedagogy.

18. Student projects

S.No	Name of the Programme	In house and interdepartmental	Collaboration with industry/Institutes
1	UG	100%	0.00%
2	PG	99%	1.00%

19. Awards / recognitions received at the national and international level by

- Faculty :
 - Dr A R Reddy is the recipient of **CDIL award** from IETE.
 - Dr A R Reddy is the recipient of **Certificate of Merit** from PKI software products.
- Doctoral / Post doctoral fellows: Two faculties have PDF fellowship.
- Students: More than 20 students have been recipient of awards from external institutions.
-

20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any.

CONFERENCES ORGANIZED

S.No	Name of the Event	No of Days and Date	Source of Funding	Total Number of Participants	Amount(Rs.)	Resource Person
Academic year 2015-16						
1	National Conference on Wireless Communication Systems	2 days Jan 18-19, 2016	ECE, DST	69	1,18,500	Prof. Dr. K.R Venugopal, Special Officer, Government of Karnataka & Principal, University Visvesvaraya College of Engineering, Bengaluru.
Academic year 2014-15						
2	2nd National Conference on Recent Trends in Signal Processing	2 days Feb 18-19, 2015	DST	44	1,30,000	Dr. S.Vardarajan, Professor, SV University, Tirupati



Academic year 2013-2014						
3.	National Conference on Advanced Communication systems & Applications	2 days 25-26 June 2013	IUCEE	54	1,93,000/-	1) Prof. Pallapa Venkataram Chairman of Center for Continuing Education, IISC Bangalore. 2) Dr.P.Abdul khayum, ECE Dept. Pulla Reddy Engg. College. 3) Dr.P.Sudhakar Reddy, ECE Dept, SKIT, Srikalahasthi.

WORKSHOPS/ FDP ORGANIZED

S.No	Name of the Event	No of Days and Date	Source of Funding	Total Number of Participants	Amount(Rs.)	Resource Person
Academic year 2016-17						
1	Smart Antenna Design and Analysis for MIMO Wireless Systems	Six days 19 th to 24 th September 2016	TEQIP-II	40	1,75,000	1) Dr.S.Chetan Kumar, Senior Manager, Cisco Systems, Bangalore. 2) Mr.Kirti Keshav, Manager, CISCO Systems Bangalore 3) Mr.Bhawani Shanker Bhati, Research Scholar, IISC Bangalore. 4) Mr.M.Sreenivasan, Scientist 'D', SAMEER. 5) Mr. Durgesh Katre, Application Engineer NI logic Pvt. Ltd, Pune. 6) Mr. J.Ravi Kumar, Senior Engineer, Technilab Instrument, Bangalore.



						7) Mr.A.Manimaran, Senior Application Engineer, VI Solutions, Bangalore. 8) Mr. T.R Gunanad, Senior Engineer, Techilab Instrument Bangalore.
Academic year 2015-16						
2	VLSI Design	Six Days 30-5- 2016 to 4- 06-2016	ECE, TEQIP-II	36	76500/-	1)Prof M.B.Srinivas, Dean,BITS-Pilani, Hyderabad, 2)Dr. V.Srihari,BITS- Pilani,Hyd. 2)Mr.Phaneendra, BITS-Pilani,Hyd. 3)Dr, Cyril Prasanna Raj, Director SANARIS Technologies,Bengal uru 4)Mr.Ravi Kumar,SANARIS Technologies Bengaluru
Academic year 2014-15						
3	Effective Research Methodologies Workshop	One day 11 March 2015	IUCEE, TEQIP II	33	1,08,000/-	Dr. Gaurav Sharma, Professor, ECE department, University of Rochester, USA
4	Training Program on “Instructional design and delivery” pedagogy (FDP)	5 days 22-26 December 2014	NITTTR Chennai	33	1,34,832/-	1)Dr. ESM Suresh, Prof and Head Dept. of Civil Engineering, NITTTR, Chennai . 2)Dr. Malliga, Senior, system Analyst, NITTTR Chennai.
5	National Level Workshop on “Embedded Systems“	2 days 18-19 July- 2014	TEQIP-II	40	66,300/-	1)Rajesh Manikantan Head corporate relations, SEMICHIP Solutions, Hyderabad. 2)Venkat Narayan, technical lead, aricent technologies
Academic year 2013-2014						



6	International Workshop on Wireless Networks	3 days 18-20July 2013	IUCEE	65	2,99,500/-	1)Dr. Das Dr Sajal K Das University of Texas at Arligton, USA. 2)Sri PARIMAL KUMAR, IRS project director, ISRO, Bangalore
Academic year 2012-2013						
7	Data Communications IC Design	2 days 25 th -29 th June 2012	TEQIP-II and IUCEE	44	3,43,548/-	Dr. Shoba Krishnan, Department of Electrical Engineering, Santa clara University, California.

21. Student profile course-wise:

UG Programme:

Name of the Course	Academic year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
UG B.Tech	2015-16	188	110	78	64.54	83.33
	2014-15	132	92	40	85.86	97.5
	2013-14	139	79	60	83.75	93.22
	2012-13	132	87	45	94.25	93.33
	2011-12	139	90	49	84.44	95.91

PG Programme:DECS

Name of the Course	Academic year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
PG M.Tech (DECS)	2015-16	20	11	9	63.63	100
	2014-15	33	14	19	57.14	89.4
	2013-14	30	21	9	61.9	88.8
	2012-13	18	13	5	84.61	80
	2011-12	18	15	3	86.6	100

PG Programme:VLSI &ES

Name of the Course	Academic year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
PG M.Tech (VLSI & ES)	2015-16	20	8	12	37.5	100



PG Programme:M&NE

Name of the Course	Academic year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
PG M.Tech (M&NE)	2014-15	23	20	3	65	66.6
	2013-14	6	4	2	75	100

22. Diversity of Students

Name of the course	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
B.Tech ECE 2015-16	Nil	99 %	1 %	Nil
B.Tech ECE 2014-15	Nil	99 %	1 %	Nil
B.Tech ECE 2013-14	Nil	99 %	1 %	Nil
B.Tech ECE 2012-13	Nil	100 %	Nil	Nil
B.Tech ECE 2011-12	Nil	99 %	1 %	Nil
M.Tech DECS 2015-16	Nil	100 %	Nil	Nil
M.Tech DECS 2014-15	Nil	100 %	Nil	Nil
M.Tech DECS 2013-14	3.03 %	100 %	Nil	Nil
M.Tech DECS 2012-13	13.3 %	100 %	Nil	Nil
M.Tech DECS 2011-12	Nil	100 %	Nil	Nil
M.Tech VLSI 2014-15	Nil	100 %	Nil	Nil
M.Tech VLSI 2015-16	Nil	100 %	Nil	Nil
M.Tech M&NE 2012-13	Nil	100 %	Nil	Nil
M.Tech M&NE 2013-14	Nil	100 %	Nil	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Academic year	2011-12	2012-13	2013-14	2014-15	2015-16
GATE	1	7	7	--	5
PGCET	3	12	2	2	--
GRE	--	--	1	--	--
IELTS	--	--	--	--	--
APICET	--	--	1	--	--

24. Student progression

Student Progression (UG)	Percentage against enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG%	3.47	6.72	2.74	1.39	1.98
Employed %	49.31	85.07	68.49	70.83	74.26
Campus selection (ON)%	24.31	54.48	27.40	27.08	33.17
Other than campus recruitment %	25.00	30.60	41.10	43.75	41.09
Entrepreneurs	0	0	0	0	0

Student Progression (PG)	Percentage against enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
PG to M.Phil	0	0	0	0	0
P.G to Ph.D	5.56	5.56	0.00	0.00	0.00
Employed %	11.11	38.89	19.44	19.64	29.27
Campus selection (ON)%	5.56	11.11	11.11	12.50	26.83
Other than campus recruitment %	5.56	27.78	8.33	7.14	2.44
Entrepreneurs	0	0	0	0	0

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same Parent University	30.16
From other universities within the state	11.11
From other universities from other states	58.73

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Three Ph.D Scholar has been awarded during the assessment period (2011-16 to till date),

Sno.	Name of the faculty	Designation	University	Year
1	Mr M. Mahesh	Associate Professor	JNTUA-Anantapur	2014
2	Mr.R.Velmani	Senior Assistant Professor	Anna University, Chennai	2016
3	Mr.Javeed Hussain	Associate Professor	JNTUH, Hyderabad	2016



27. Present details about infrastructural facilities

a.	ECE Department Library	
	Number of books	: 241
	Project reports	: 300
	Seminar reports	: 145
	Number of CDs	: 145
	Number of e-Journals	: 17
b.	Internet facilities for staff and students	100 Mbps
	Number of nodes/ computers with internet facility	70
	Wi-Fi access points	: 05
c.	Total numbers of class rooms	: 15 + 1 (Tutorial class room)
d.	Class rooms with ICT facility	: 16
e.	Students' laboratories	: 07
f.	Research laboratories	: 01

28. Number of students of the department getting financial assistance from College:

- The following B.Tech and M.Tech students have been received the financial assistance from the institution:

Sno	Year	No. of UG students	No. of PG students	Total
1	2010-11	3	-	3
2	2011-12	3	-	3
3	2012-13	8	-	8
4	2013-14	2	1	3
5	2015-16	2	1	3
6	2016-17	6	-	6
Grand total				26

- Number of M.Tech and Ph.D Scholars who have been received the scholar ships from TEQIP-II : 19 Students

S.No	Academic Year	No.of PG Students	Total Students
1	2015-16	5 (Ph.D)	5
2	2014-15	4 (Ph.D)	4
3	2013-14	8 + 2 (Ph.D)	10
4	2012-13	6	6
5	2011-12	-	-

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **Yes**

- Suggestions from stake holders (students, Alumni, parents, faculty and industrial experts
- The curriculum is framed taking into consideration all the above inputs are presented to BOS. The BOS will discuss and send the finalized version and its approval with or without modifications for implementation.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
 - Feedbacks are compiled and taken for discussion in Board of Studies. These suggestions are forwarded to academic council for approval with or without modifications for implementation.
- b. Students on curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
 - Yes, Students' feedback on staff members and teaching-learning- evaluation are obtained twice in a semester. These are discussed in the department meetings and necessary corrective actions are taken for improvements of curriculum.
- c. Alumni and employers on the programmes and what is the response of the department to the same?



- Yes, alumni and employers feedback on the curriculum and syllabus are considered and presented to board of studies and forwarded to academic council for approval.

31. List the distinguished alumni of the department

S.No	Roll Number	Name	Year of passout	Designation & Present status
1	98691A0404	Emmanuel Jillela	2002	Software Engineer Intel Corporation, Chandler, AZ, USA
2	02691A0438	Mohan Vamsi Krishna	2006	Senior SRM Consultant IBM Global Services, Houston, Texas
3	02691A0441	B Naresh Kumar	2006	Scientist C DRDO, Bangalore
4	02691A0474	Sunil Das	2006	Senior SRM Consultant MindTree, Bangalore
5	02691A0463	V Satish Kumar	2006	Principal Consultant, Oracle Apps DBA IT Convergence, Hyderabad
6.	02691A0464	S Shakeel basha	2006	Singapore Senior Software Engineer Mahindra Satyam,
7.	03691A0405	R Arjun Kumar	2007	Senior Reliability Engineer UTC Aerospace Systems, Bangalore
8	06691A0487	G.sanjeeva rayudu	2010	Assistant Manager Andhra Pragathi Grameena Bank, Peruru
9	06691A0410	Chaitanya. C	2010	Software Engineer Wipro, Bangalore
10	07691A0434	B. Hussaiahnaiah	2011	Assistant Manager, Syndicate Bank

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts

The following enrichment programmes have been conducted during 2010-11 to till date,

- Total numbers of Conferences : 3
- Total numbers of workshops/FDP/Guest Lectures/Seminars : 16
- Total numbers of symposium : 4



Sno	Name Of Programme	Type Of the Programme	Date	No. of Days	Target Audience
Academic Year 2016-17					
1	Embedded Systems Programming with MSP430	Guest Lecture	17-11-2016 to 19-11-2016	3 days ECE- 1 day	IV year B.Tech Students (A,B,C and D Sections)
2	Analog VLSI Design	Guest Lecture	14.10.2016	1 day	III ECE Students
Academic Year 2015-16					
3	Smart Antenna Design and Analysis for MIMO Wireless Sytems	workshop	19 th to 24 th September 2016	6 days	M.Tech Students
4	Wireless Communication Systems	Conference	Feb 18-19, 2016	2 days	M.Tech Students and Research Scholars
5	VLSI Design	Workshop	30-5-2016 to 4-06-2016	6 Days	M.Tech Students
6	Microcontrollers & Applications	Guest Lecture	6th April 2016	1 day	III year B.Tech ECE C and D sections students and I M.Tech V&ES students
7	Super Capacitors and their Application	Guest Lecture	30.3.2016	1 day	I year Electronics and Communication Engineering students
8	Automation and Control System	Guest Lecture	28th March 2016	1 day	II year B.Tech ECE students
9	Research, Patent and Publish: A tutorial	Guest Lecture	20 July 2016	1 day	M.Tech Students and Research Scholars
10	Eclectica 2016	National Level Technical Symposium and Project Expo	29 March 2016	1 day	UG & PG Students



Academic Year 2014-15					
11	Effective Research Methodologies Workshop	Workshop	11 March 2015	1 day	M.Tech Students and Research Scholars
12	Embedded Systems	Workshop	18-19 July-2014	2 days	M.Tech Students and Research Scholars
13	Recent Trends in Signal Processing	Conference	Feb 18-19, 2015	2 days	M.Tech Students and Research Scholars
14	Electronics Systems Design-Challenges and Opportunities	Guest Lecture	01-11-2014	1 day	IV year B.Tech and M.Tech students
15	Optical Communication	Guest Lecture	05-9-2014	1 day	IV year B.Tech students
16	Eclectica 2015	National Level Technical Symposium and Project Expo	31 March 2015	1 day	UG & PG Students
Academic Year 2013-14					
17	Wireless Networks	Workshop	18-20 July 2013	3 days	M.Tech Students and Research Scholars
18	Advanced Communication systems & Applications	Conference	25-26 June 2013	2 days	M.Tech Students and Research Scholars
19	Fundamentals of Electromagnetic Theory	Guest Lecture	11-12 April 2014	2 days	II B.Tech ECE students
20	VLSI Design and Applications	Guest Lecture	28-02-2014	1 day	IV year B.Tech students
21	VLSI, Embedded Systems & Signal Processing Applications	National Level Symposium	28 March 2014	1 day	UG & PG Students
Academic Year 2012-13					
22	Latest trends on VLSI and job opportunities	Guest Lecture	02-04-2013	1 day	IV year B.Tech students
23	Signal & Image Processing Applications	National Level	20 February 2013	1 day	UG & PG Students



		Technical Symposium			
--	--	---------------------	--	--	--

33. List the teaching methods adopted by the faculty for different programmes.

- Class room teaching by chalk board
- ICT
- Mini projects
- Guest lectures
- Webinars
- Group discussion
- Student seminars
- Massive Open Online Courses (MOOCs)
- Project work

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Academic audit.
- Periodic HoD’s meeting.
- Two mid-term exams are conducted prior to end semester examination to continuously the learning to the students.
- Mini projects are made mandatory to check and analyze the application knowledge of students.
- Mock interviews and group discussions are organized for the pre-final year and final year students to measure their performance.
- Placement training programs
- Soft skills training programs
- Value added courses
- Learning outcomes and Monitoring methods
- Feed backs from Alumni, Parents and Employers
- Course end survey

35. Highlight the participation of students and faculty in extension activities.

The extension activities are conducted by the college level NSS cell in which students and faculty from all the departments actively participate. The following are the academic year wise details of different programs conducted by College NSS cell.

National Service Scheme Activities Done for the Academic Year 2016-2017

S.No.	Date	Event Name	Objective of the Program
1	31/10/2016	Anniversary of Sardar Vallabhbhai Patel	Rashtriya Ekta Diwas (National Unity Day)
2	15/10/2016	APJ Abdul Kalam	Identifying the great personality



		Birthday Celebrations	and his contribution to the country
3	5/10/2016 To 7/10/2016	Meditation & Relaxation Techniques	Improve concentration, good sleep, & Relaxation
4	2/ 10/2016	Gandhi Jayanti	Inculcate patriotism
5	29 / 09/ 2016	Blood Donation Program	Save the Life of people
6	24/ 09/ 2016	NSS DAY	Encouraging the students towards service
7	18 /09/2016	Plantation Program	Environment Protection
8	8 /09/ 2016	World Literacy Day	Increase the literacy rate
9	5 th /09/ 2016	Teachers Day	Honoring the Teachers
10	29 / 09/ 2016	Vanam Manam Plantation Program	Environment Protection
11	12/07/ 2016	Plantation program	Environment protection
12	21/ 06/2016	International Yoga Day	Improving the Health Mental & Physical

National Service Scheme Activities Done For the Academic Year 2015-2016

S.No	Date	Event Name	Objective of the Program
1	17/03/ 2016	Blood Donation Program	Save the life of the people
2	28/ 02/ 2016	National Science Day	Inculcating the importance of Science Day
3	12/ 01/ 2016	Celebrations of 153 Birth Anniversary of Sh.Swami Vivekananda	Encourage youth Youth Day
4	14/11/2015	Swachha Bharat Anniversary	Clean & Green
5	29/10/201 5	Blood Donation	Saving the life's of people
6	2/10/2015	Swachha Bharat Gandhi Jayanti	Clean & Green
7	31/10/2015	Sardar Vallabhi Patel Birthday celebrations	Inculcating patriotism



8	24/09/2015	NSS Foundation Day	Encouraging the NSS volunteers
9	14/09/2015	World first Aid Day	Improve the awareness on First Aid
10	9/09/2015 & 10/09/2015	SELF DEFENCE TRAINING FOR GIRLS	SELF PROTECTION FOR GIRLS
11	06/08/2015	Mega Medical & Health Camp	Medical Aid To Poor People Living In Angallu as We Adopted The Village
12	13/08/2015	Poetry competition conducted on 'ABJ Abdul Kalam', organized by NSS MITS University level	Extending our heartfelt salutes to the son of nation

National Service Scheme Activities Done For the Academic Year 2014-2015

S.No	Date	Event Name	Objective of the Program
1	20/10/14	Collecting donations for the victims of HUDHUD	Increasing the charity and self-responsibility
2	2/10/14	"SwachBharath Mission"	Massive mass movement to create clean India launched by Government of India
3	18/09/2014	Blood Donating Camp	To give safe blood is a privilege to receive safe blood is a right blood saves many more lives

Faculty Publications Summary Sheet

Publications Academic Year	International Journal	National Journal	International Conference	National Conference	Books	Total
2016 – 17	4	0	0	0	0	4
2015 – 16	28	0	6	29	1	64
2014 – 15	20	0	0	22	0	42
2013 – 14	14	0	0	10	0	24
2012 – 13	23	0	0	0	0	23
2011 – 12	7	0	0	0	0	7

Faculty Attended Workshop/Fdp/Conference:

Academic Year	No. of Faculty
2016-17	8
2015-16	50
2014-15	31
2013-14	25
2012-13	10
Total	124

Extra and Co-Curricular Activities

Academic Year 2015-16						
S.No	Activity	Total	Boys	Girls	Prizes	
					First	Second
1	Paper presentation	16 (PAPERS PRESENTED)	8	10	1	--
2	Workshop	79	29	36	---	----
3	Group Discussion	1	--	1	--	--

Academic Year 2014-15						
S.No	Activity	Total	Boys	Girls	Prizes	
					First	Second
1	Paper presentation	34	11	28	1	3
2	Project exhibition	5	4	2	--	--
3	Quiz	2	1	1		1
4	Workshop	22	6	16	---	----
5	Tennikoit	2	--	2		1
6	Shuttle Badminton	2	--	2	----	-----
7	Globe Theatre	1	1	--	--	--
8	Throw Ball	2		2	1	--
9	Volleyball	1	1 (in team)	--	1	--

Academic Year 2013-14							
S.No	Activity	Total	Boys	Girls	Prizes		
					First	Second	
1	Paper presentation	64	29	26	1	3	+2 consolation prizes
2	Project exhibition	--	--	--	--	--	--
3	Quiz	1	---	1	--	----	--



4	Workshop	24	11	10	--	--	--
5	Essay writing	1	1	--	1	--	--

Academic Year 2012-13						
S.No	Activity	Total	Boys	Girls	Prizes	
					First	Second
1	Paper presentation	13	5	13	--	--
2	Workshop	1	1	--	--	--

36. Give details of “beyond syllabus scholarly activities” of the department.

- Value added course (Aptitude)
- Soft skill training
- Guest lecture
- Seminar Presentation
- Massive Open Online Courses (MOOCS)
- Audit courses
- Technical report writing
- Soft skills training programmes
- Functional English
- Participation in Workshops, Seminars & Conferences and presentation of papers
- Guest Lectures by Academicians & Experts from industries / computer organizations
- Participation in technical paper presentation & Project Contest

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

B.Tech Electronics and Communication Engineering is accredited for 2 years by NBA with effect from 08.02.14 & Reference file no: 11-170/2012/NBA

B.Tech Electronics and Communication Engineering is accredited for 2 years by NBA with effect from 2016-17 to 2017-18 (08.07.2016 to 30.06.2018) & Reference file no: 11-170/2012/NBA



38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

Strengths

- Recipient of National & International funding.
- More than 30% of faculty with doctoral degree.
- Expanded scope for interdisciplinary research.
- Evergreen in terms of professional opportunities.

Weakness

- Student communication and comprehension.
- State of art facilities.

Opportunities

- Growth potential of the domain
- Intrusion into other disciplines of engineering especially automobiles.

Challenges

- Competition from contemporary institutions.
- Remarkable growth of the subjects not meeting the demand.

39. Future plans of the department.

- Expansion of R&D activities and lab facilities.
- Interaction with professional expert
- Collaborative work with industry.

Evaluative Report of Computer Science & Engineering Department

1. Name of the department & its Year of Establishment:

Computer Science & Engineering and 1998

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

UG: B.Tech (Computer Science & Engineering)

PG: M.Tech (Computer Science & Engineering)

Ph.D- All thrust areas in Computer Science and Engineering

3. Interdisciplinary courses and departments involved:

S. No.	Interdisciplinary Course	Year - Semester	Departments Involved
1	Functional English	I B. Tech.-I Sem.	English & Foreign Languages
2	Advanced Calculus	I B. Tech.-I Sem.	Mathematics
3	Engineering Chemistry	I B. Tech.-I Sem.	Chemistry
4	Engineering Graphics	I B. Tech.-I Sem.	Mechanical Engineering
5	Environmental Science	I B. Tech.-I Sem.	Chemistry
6	Technical Report Writing	I B. Tech.-II Sem.	English & Foreign Languages
7	Linear Algebra & Complex Analysis	I B. Tech.-II Sem.	Mathematics
8	Engineering Physics	I B. Tech.-II Sem.	Physics
9	Basic Electrical & Electronics Engineering	I B. Tech.-II Sem.	Electrical & Electronics Engineering
10	Probability & Statistics	II B. Tech.-I Sem.	Mathematics
11	Microprocessors & Microcontrollers	III B. Tech.-II Sem.	Electronics & Communication Engineering
12	Managerial Economics & Financial Analysis	IV B. Tech.-I Sem.	Management Studies
13	Management Science	IV B. Tech.-II Sem.	Management Studies



4. Annual/ semester/choice based credit system: **Semester System**
5. Participation of the department in the courses offered by other departments

S. No.	Name of the Subject	Year-Semester	Departments offered
1.	Computing Practicals	I B. Tech. -I Sem.	Civil Engineering
		I B. Tech. -I Sem.	Electronics& Communication Engineering
		I B. Tech. -I Sem.	Electrical & Electronics Engineering
		I B. Tech. -I Sem.	Mechanical Engineering
2.	Computer Programming	I B. Tech. -II Sem.	Civil Engineering
		I B. Tech. -II Sem.	Electronics& Communication Engineering
		I B. Tech. -II Sem.	Electrical & Electronics Engineering
		I B. Tech. -II Sem.	Mechanical Engineering
3.	Data Analysis using R-Programming (Audit Course)	II B. Tech. -I Sem.	Civil Engineering
		II B. Tech. -I Sem.	Electronics& Communication Engineering
		II B. Tech. -I Sem.	Electrical & Electronics Engineering
		II B. Tech. -I Sem.	Mechanical Engineering
4.	Computer Networks	IV B. Tech. -I Sem.	Electronics& Communication Engineering

6. Number of teaching posts sanctioned and filled(Professors/Assoc. Professors/Asst. Professors)

Teaching Posts	Sanctioned	Filled
Professors	1	1
Associate Professors	05	05
Asst. Professors	30	30



7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No	Name of the Faculty	Qualification University and year of graduation	Designation	Specialization	No. of Years Experience	No. of Ph.D students guided in last 4 years
1.	Dr. Najumudheen E S F	M.Tech, Indian Institute of Technology, Kharagpur, India, 2005, Ph.D, Indian Institute of Technology, Kharagpur, India, 2011	Professor	Software Engineering	17	--
2.	Dr. R. Kalpana	B.E. VMKV Engineering College, Salem, 1991, M.E, Sathyabama University, Chennai, 2006, Ph.D, Anna University Chennai, 2013	Assoc. Prof.	Information and Communication Engineering	17	--
3.	Dr. S. Babu	B.Tech. BC Engg. College, Arni, Madras University, 2004, M.E, Dr. MG.R. University, Chennai, 2006, Ph.D, Anna University Chennai, 2013	Assoc. Prof.	Software Metrics	14	--
4.	Dr. M. Sreedevi	B.Tech, S.V.U.C.E, S.V.U. Tirupathi. M.Tech, Panjabi University, Patiala, 2003. Ph.D, S.V. University, Tirupathi, 2014	Assoc. Prof.	Computer Networks	18	--
5.	Dr. V. Hanuman Kumar	B.Tech, Bapatla Engineering College, 2004, M.Tech, Andhra University College of Engineering, 2007, Ph.D, Andhra University College of Engineering, 2015	Assoc. Prof.	Computerized Bionics	8	NA
6.	Dr. Veningston.K.	B.E, Anna University, Chennai, 2007, M.E, Anna University, Chennai, 2009 Ph.D, Anna University, Chennai, 2015	Assoc. Prof.	Data Mining & Cloud Computing	4	NA
7.	Dr. V. Bhoopathy	B.E, Jayam College of Engineering and Technology, Dharmapuri, 2003, M.E, Sathyabama University, Chennai, 2006 Ph.D, Anna University, Chennai, 2013	Asst. Prof.	Wireless Sensor networks	11	NA



S. No	Name of the Faculty	Qualification University and year of graduation	Designation	Specialization	No. of Years Experience	No. of Ph.D students guided in last 4 years
8.	Dr. V. Thirupathi Kesavan	B.E, Arulmigu Kalasalingam college of Engg, Krishnankoil, 2000, M.E, Arulmigu Kalasalingam college of Engg, Krishnankoil, 2004 Ph.D, Kalasalingam University, Krishnankoil, 2016	Asst. Prof.	Security in Sensor networks	14	NA
9.	Dr. Dharendra Kumar Sharma	B.E, Dr. Ram Manohar Lohia Avadh University, Faizabad, 2008, Ph.D, Indian School of Mines Dhanbad, 2016	Asst. Prof.	Mobile Adhoc networks	03	NA
10.	Dr. P. Manikandhan	B.E, Bharathiyar University, Coimbatore / Amrita Institute of Technology and Science, Coimbatore, 2000, M.E, Jayam College of Engg., and Tech, Dharmapuri, Anna University, Chennai, 2008 Ph.D, Anna University, Chennai, 2016	Asst. Prof.	Data Mining	15	NA
11.	Dr. V. C. Bharathi	B.E, University of Madras / S.K.P Engineering College Tiruvannamalai, 2007, M.E, Anna University / Arunai Engineering College, 2009 Ph.D, Annamalai University, 2016	Asst. Prof.	Image Processing & Pattern recognition	08	NA
12.	Dr. P.V. Venkateswara Rao	B.Tech., College of Engineering Kakinada, Campus /J.N.T.U.H., 1987, M.Tech., Majhighariani Institute of Technology and Science (MITS), Rayagada / Berhampur University, 2009 Ph.D, J.N.T.U.K, Kakinada, 2016	Asst. Prof.	Computer Networks	18	NA
13.	Mr. M.V. Jagannatha Reddy	B.E, Mysore University, 1995, M.Tech, Dr.MGR University, 2006. (Ph.D), Rayalaseema University	Asst. Prof.	Data Mining	18	NA



S. No	Name of the Faculty	Qualification University and year of graduation	Designation	Specialization	No. of Years Experience	No. of Ph.D students guided in last 4 years
14.	Mrs. A. Komala	M.Sc-1999, S.V.University, Tirupathi.M.Tech-2007, Sathyabama University, Chennai .(PhD),HCU	Asst. Prof.	AI & Cognitive Science	12	NA
15.	Mrs. P. Rajarajeshwari	B.Tech,N.B.K.R.S.I.T, Vidyanagar,Nellore(Dt),2000, M.Tech,SreeVidyanekhathan engineering college, Rangampet,Tirupathi,2008, (Ph.D) INTLIIH	Asst. Prof.	Software Engineering	12	NA
16.	Mr. G. Sreedhar	B.Tech, JMIT, Chitradurga, Mysore university, Mysore, 1994. M.Tech, Vinayaka mission university,Salem, 2006,(Ph.D), Rayalaseema University	Asst. Prof.	Software Engineering	20	NA
17.	Mr. S. Vikram Phaneendra	B.Tech, Sri Sai Jyothi Engineering College, JNTU, 2006,M.Tech-Sree vidyanekhathan engineering college, JNTUH, Tirupathi,2009	Asst. Prof.	Big Data	6	NA
18.	Mr. Wilson Thomos	B.E,JBIT-2007, M.Tech-RVE,2010,(PhD)	Asst. Prof.	Wireless Networks	5	NA
19.	Mr. G.Hemanth Kumar Yadav	B.Tech, BITIT, JNTU, 2006, M.Tech, JNTUA, 2010	Asst. Prof.	Cloud Computing	7	NA
20.	Mr.Y.C.A .Padmanabha Reddy	B.Tech, MITS, 2009 M.Tech, RGM CET, Nandyala, 2011	Asst. Prof.	Data Mining	4	NA
21.	Mr. Surya Bahadur	B.E,BPUT, 2005, M.Tech,ANU, 2005	Asst. Prof.	Computer Science & Engineering	9	NA
22.	Mrs. S.Kusuma	B.Tech,VTU, 2008. M.Tech,JNTUA, 2010	Asst. Prof.	Computer Science & Engineering	5	NA
23.	Mr.D.Kasi Viswanath	B.Tech, SSITS, JNTU, 2006 M.Tech,RGM CET, Nandyala, 2011	Asst. Prof.	Computer Science & Engineering	5	NA
24.	Mr. M. Srujan Kumar Reddy	B.Tech, SSIT,JNTUA, 2009 M.Tech, MITS, 2011	Asst. Prof.	Computer Science & Engineering	4	NA
25.	Mr. M. Kiran Kumar	B.Tech, MITS, M.Tech, JNTUA, 2012	Asst. Prof.	Computer Science & Engineering	3	NA



S. No	Name of the Faculty	Qualification University and year of graduation	Designation	Specialization	No. of Years Experience	No. of Ph.D students guided in last 4 years
26.	R.Sathiyaraj	B.Tech, Anna University, 2009, M.Tech, VEL TECH University, 2012	Asst. Prof.	Computer Science & Engineering	4	NA
27.	Mr. C. Narasimha	B.Tech- VITS, Proddatur, 2010. M.Tech, MITS/JNTUA 2012, (PhD), VIT, University	Asst. Prof.	Image Processing	3	NA
28.	Mrs. M. K. Nageswari	B.Tech- MITS/JNTUA 2004 M.Tech, MITS/JNTUA, 2012. (PhD), VIT.	Asst. Prof.	Cloud Computing	7	NA
29.	Mr. G. Sreenivasulu	B.Tech-PBR VITS, Kavali, JNTU, 2010. M.Tech- MITS/JNTUA 2012, (Ph.D)- Bharathiar University	Asst. Prof.	Advanced Computer Networks	7M	NA
30.	Mr. S.H. Shabbeer Basha	B.Tech-JNTUA, 2010, M.Tech.JNTUA-2012	Asst. Prof.	Computer Science & Engineering	3	NA
31.	Mr. G. J. Kumar	B.E- Arunai Engineering College, Anna University, Chennai, India, 2005 M.S- University of Bedfordshire, Luton, United Kingdom, 2013	Asst. Prof.	Computer Science & Engineering	1	NA
32.	Mr. S. Bala Ganesh	B.Tech- Narasaraopeta Engineering College, JNTU Kakinada, 2009 M.Tech. Hindustan University, Chennai, 2011	Asst. Prof.	Information Technology	3	NA
33.	Ms. R. Usha	B.Tech- MITS/JNTUA, Anantapur, 2009. M.Tech. MITS/JNTUA, 2014	Asst. Prof.	Computer Science & Engineering	3	NA
34.	Mr. P. Venkata Sai Chandra Kanth	B.E- Sri Venkateswara College of Engineering and Technology, Anna University, 2011. M.Tech.MITS/ JNTUA, 2014	Asst. Prof.	Computer Science & Engineering	1	NA
35.	Mr. B. S. H. Shayeez Ahamed	B.Tech- JNTUK- Vizianagaram, 2011 M.Tech. JNTUCEA/JNTU Anantapur, 2013	Asst. Prof.	Artificial Intelligence	1	NA
36.	Ms. R. Praveena	B.E. ivekananda Institute of Engineering and Technology for Women, Elayampalayam, Tiruchengode, , 2012, M.E.	Asst. Prof.	Computer Science & Engineering	1	NA



S. No	Name of the Faculty	Qualification University and year of graduation	Designation	Specialization	No. of Years Experience	No. of Ph.D students guided in last 4 years
		Tagore Institute of Engineering and Technology, Deviyakurichi, Attur, Salem, Anna University, 2014				

8. Percentage of classes taken by temporary faculty-programme-wise information : **NIL**

9. Programme wise Student Teacher Ratio (programme wise)

S.No.	Programme Name	Student -Teacher Ratio
1.	B. Tech	18:1
2.	M. Tech	6:1

10. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Designation	Sanctioned	Filled
Technical Support Staff	07	07
Assistant Administrative Officer	01	01
Attender	01	01

11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project wise:

a. National funding agencies:

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Proposal in Rs.	Amount sanctioned as First installment in Rs.
1.	Mr Srujan Kumar Reddy. M	MRP-6094/15(SERO/UGC), Jan 2015	Development of a cloud to monitor and track the Vehicles at check posts	UGC-SERO & March 2015(National)	52,000.00	37,000.00

b. International funding agencies: Nil

c. Total Grants Received: Rs. 52,000



12. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Proposal in Rs.	Amount sanctioned as First installment in Rs.
1.	Mrs. Perepi Rajarajeswari	MRP-4610/14 (SERO/UGC) March 2014	Development of student educational learning system based on mobile cloud computing	UGC-SERO & March 2014(National)	2,10,000.00	1,55,000.00
2.	Mr. Y C A Padmanabha Reddy	MRP-4609/14 (SERO/UGC) March 2014	Semi-supervised learning and its applications for image and document categorization	UGC-SERO & March 2014(National)	1,85,000.00	1,45,000.00
3.	Mr. M.V. Jagannatha Reddy	MRP-4608/14 (SERO/UGC) March 2014	Expert system to predict the type of fever using data mining techniques on medical databases	UGC-SERO & March 2014(National)	2,05,000.00	1,50,000.00
4.	Mr Srujan Kumar Reddy. M	MRP-6094/15(SERO/UGC),Jan 2015	Development of a cloud to monitor and track the Vehicles at check posts	UGC-SERO & March 2015(National)	52,000.00	37,000.00
Total Amount					6,52,000	4,87,000

13. Research facility/Centre with:

- **State recognition:** 1. Recognized Research Centre by JNTUA
2. Andhra Pradesh State Skill Development Center,
URL: <http://apssdc.in>
- **National recognition:** Registered as Scientific & Industrial Research

Organization by DSIR and DST

- **International recognition** – Nil

14. Publications:

*Number of papers published in peer reviewed journals (national / international):- 112

* Monographs: 50

* Chapter in Books: --Nil

* Editing Books: --Nil

* Books with ISBN/ISSN numbers with details of publishers: -1

S. No.	Name	Author	Publisher	ISBN	Sponsor
1.	National Conference on Advanced Technologies in Computer Science	Dr. M. Sreedevi Dr. S. Muralikrishna	Paramount Publishing House, Hyderabad	978-93-82163-02-2	TEQIP-II

* 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.) :78

* Citation Index: 1 to35

* SNIP: 0.10 to 1.84

* SJR: 0.38 to 2.73

* Impact factor –range/average: 0.13-5.12/1.66

* h-index: 01 to 06

15. Details of patents and Income generated: Nil

16. Area of consultancy and Income generated: Nil

17. Faculty recharging strategies:

- Free laptops with internet dongles to the doctorate faculty members
- Training programmes, workshops on advanced technologies and OBE.
- Conducting interactive sessions with experts from industry and academia.
- Sponsoring to higher studies / qualification improvement programmes.
- Conducting training on modern pedagogy.
- Faculty are encouraged and sponsored to attend national/international workshops or conferences with financial assistance.
- Staff seminars are arranged to deliver and share innovative ideas.
- Free sim card and free daily newspaper Hindu to the doctorate faculty members



18. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: **99 %**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: **1%**

19. Awards/ Recognitions received by faculty and students:

Faculty:

S.No.	Academic Year	Name of faculty	Award/Recognitions	Award given by
1.	2015-16	Mrs. S. Kusuma	Appreciation	MITS
2		Dr. V. Hanuman Kumar	Appreciation	MITS
3		Dr. Veningston. K	Appreciation	MITS
4		Mr. Vikram Phaneendra	Appreciation	MITS
5		Mr. B. Krishna Sagar	Appreciation	MITS
6	2014-15	Mrs. S. Kusuma	TGMC Mentor award (2014)	IBM, Bangalore
7		Dr. M. sreedeви	Appreciation	MITS
8		Mrs. P. Rajarajeswari	Appreciation	MITS
9		Mrs. S. Kusuma	Appreciation	MITS
10		Mr. YCA Padmanabha Reddy	Appreciation	MITS
11		Mr. S. Farooq	Appreciation	MITS
12	2013-14	Mr. Srujan Kumar Reddy	Appreciation	MITS
13		Mr. KRK Sateesh	Appreciation	MITS
14		Dr. E. Madhusudana Reddy	Appreciation	MITS
15		Mr. K. Lakshmaiah	Appreciation	MITS



16	2012-13	Mrs. Kusuma	Appreciation	MITS
17		Mr. D. Kasiviswanath	Appreciation	MITS
18		Mr. KRK sateesh	Appreciation	MITS
19		Mr. M. Srujan Kumar Reddy	Appreciation	MITS

Students:

S. No.	Reg. No.	Student Name	Event	Award/ Recognitions
2016-17				
1.	15691A05F6	C.Teja Sai	Presented a paper at conference on topic “Nature Inspired Computing” at Sri Vishnu Engineering College, Bhimavaram	Participated
2.	15691A05E3	Sreekanth.P		
3.	14691A0571	Pujitha.R	Paper presentation at Mohan Mantra On topic “Software engineering”	First Prize
4.	14691A0569	Priyanka.B		
2015-16				
1	14691A0590	B.Sindhu	Paper presentation on “Internet Of Things”	Second Prize
2	14691A0598	N.Anitha		
3	13691A0575	B.Priyanka	Paper presentation on “Blue Brain”	First Prize
2014-15				
1	13691A0502	Achintyasai. V	Paper presentation at ACE Techzion-2k15 on topic “Android”	First Prize
2	13691A0555	Md.SuhailShaik		
3	12691A0535	Jakeer. P	Volley ball- Cultural and sports fest-ashv15- MITS	First Prize
4	13691A0575	Priyanka. B	Throwball- Cultural and sports fest-ashv15- MITS	First Prize



5	12691A0568	L. S. Neha Samreen	Paper presentation at ACE Techzion-2k15	First Prize
6	12691A0561	S. M. D. Kudrathulla	Paper presentation at ACE Techzion-2k15	First Prize
7	12691A0596	K. Suma	Poster Presentation- GMOCS2K15	First Prize
2013-14				
1	13691A0562	R.V.Nagalaksh mi	Paper presentation at PHOTON 14 on topic “The role of data structures in programming concepts”	First Prize
2	13691A05B1	Y.Vijayalaksh mi		
3	11691A0527	K. Harsha vardhan	Shuttle	Consolation Prize
2012-13				
1	10691A0571	S. Prathibha	Conference on Advanced computing applications-SVU, Tirupati	Best Paper
2	10691A0582	G. Reddy Deepika	Conference on Advanced computing applications-SVU, Tirupati	Best Paper
3	10691A0589	P. Siva Keerthi	Paper Presentation KEC, Kuppam	First Prize
4	10691A0593	T. Sowndarya	Paper Presentation KEC, Kuppam	First Prize
5	10691A0578	B. Sravani	Paper Presentation KEC, Kuppam	First Prize

20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Most of the events organized by the department with the financial support of Technical Education Quality Improvement Programme (TEQIP-II, is a long-term programme for transformation of the Technical Education System with the World Bank assistance).

S. No.	Academic Year	No. of Seminars/ Conferences/Workshops/Symposiums organized		Funding Source	Participants
		National	International		
1	2015-16	09	Nil	MITs,	836



				TEQIP-II	
2	2014-15	08	Nil	MITS, TEQIP-II	738
3	2013-14	09	01	MITS, TEQIP-II	882
4	2012-13	06	Nil	MITS, TEQIP-II	575
5	2011-12	02	02	MITS, TEQIP-II	237

21. Student profile course wise:

For UG:

Name of the Course	Batch	Admitted		Pass percentage (%)	
		Male	Female	Male	Female
UG B.Tech	2012-16	66	57	61.36	98.07
	2011-15	66	62	75.75	74.19
	2010-14	88	52	61.36	98.07
	2009-13	61	58	83.60	62.06
	2008-12	82	49	85.36	91.83

For PG:

Name of the Course	Batch	Admitted		Pass percentage (%)	
		Male	Female	Male	Female
P.G M.Tech (CSE)	2014-16	15	13	--	--
	2013-15	38	29	89.47	89.65
	2012-14	36	21	86.11	100
	2011-13	31	19	100	100
	2010-12	50	21	96	98

22. Diversity of Students

Name of the Course	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech - CSE	Nil	100%	Nil	Nil
M.Tech - CSE	Nil	100%	Nil	Nil



23. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Academic Year	Name of the Examination	No. of students appeared in the exam	No. of students qualified in the exam	Percentage of Qualified
2014-15	GRE	06	04	67
	TOEFL/IELTS	06	04	67
	GATE	03	02	67
2013-14	GRE	02	02	100
	TOEFL/IELTS	02	01	50
	GATE	02	01	50
2012-13	GRE	02	01	50
	TOEFL/IELTS	02	01	50
	GATE	01	01	100
2011-12	GATE	03	02	67
	GMAT	01	01	100

23. Student progression

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	-	4.1%	5%	6.6%	-
Employed					
• Campus selection	29%	18.3%	12.5%	36.6%	41.6%
• Other than campus recruitment	10%	60.8%	40.8%	12.5%	-

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same Parent University	44.44%
From other universities within the state	11.11%
From other universities from other states	44.45%



26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S. No	Faculty Name	Designation	Award	Awarded Year
1	Dr. M. Sreedevi	Assoc. Prof	Ph.D.	2014
2	Dr.V.Hanuman Kumar	Assoc. Prof	Ph.D.	2015
3	Dr. Veningston .K.	Assoc. Prof	Ph.D.	2015
4	Dr. P. Manikandan	Asst. Prof	Ph.D.	2016
5	Dr. V. C. Bharathi	Asst. Prof	Ph.D.	2016

27. Details of Infrastructural facilities

a) Library:

Volumes of Books: 174

e- Journals: 08 (publishers)

b) Internet facilities for Staff & Students: Internet connectivity with bandwidth of 100 Mbps

c) Total number of class rooms: 09

d) Class rooms with ICT facility: 09

e) Laboratories: 02(Exclusive) +01(Shareable)

f) Research Laboratory: Nil

28. Number of students receiving financial assistance from college, university, government or other agencies:

Every year, all eligible students will receive financial assistance from various agencies, the details are furnished below.

Program	Year	College Assistance	Govt. Assistance	TEQIP-II	GATE
B. Tech.	2015-16	3	138	-	-NA-
	2014-15	3	74	-	-NA-
	2013-14	4	79	-	-NA-
	2012-13	9	28	-	-NA-
	2011-12	9	72	-	-NA-
M. Tech.	2015-16	-	6	-	-
	2014-15	1	20	-	-
	2013-14	1	42	-	1
	2012-13	1	33	11	4
	2011-12	-	22	-	-



29. Was any need assessment exercise undertaken before the development of new program(s)?

If so, give the methodology.

Before development of new programme, the following aspects are taken into consideration:

- Analysis on the available infrastructure & technical resources
- Availability of the faculty with particular specialization
- Available library resources to support a new program
- The facilities for students to support a high quality program
- Job opportunities available
- AICTE, UGC and JNTUA University norms for introduction of new courses
- Suggestions from stake holders (students, Alumni, parents, faculty and industrial experts)

30. Does the department obtain feedback from?

Yes, department will collect feedback from faculty, alumni, employers and students on the curriculum as well as teaching – learning evaluation.

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Department will collect feedback at the end of the semester from the faculty and conduct meetings to discuss about the improvement of the curriculum, that will be considered and recorded. All their suggestions for improvement will be taken and proposed in the BoS. Based on the resolutions of BoS, curriculum will be revised and the same will be submitted for the approval of academic council.

b. Students on staff, curriculum as well as teaching-learning-evaluation and What is the response of the department to the same?

Yes, feedback of Students on staff, curriculum as well as teaching-learning-evaluation was taking regularly.

Department has a practice of collecting students feedback on staff, curriculum teaching-learning evaluation. The online feedback collected from students is tabulated and the respective scores for each parameter and the overall score for each faculty is calculated. The same is sent to the concern faculty for improvement and betterment.

Based on student's feedback a departmental meeting is conducted and recommendations on the remarks are made by the head of the department to the concern faculty to concentrate on the areas, where improvement is required as per the student's suggestions for updating the curriculum.

- c. Alumni and employers on the programmes and what is the response of the department to the same?

The department conducts alumni meets and takes their opinions for the better improvement of programmes. In association with alumni, regularly organize various technical and career guidance programmes for the students to get awareness on industry expectations.

Department is following the practice of having one alumni and one industry expert as BoS member, every valuable suggestions of alumni and employers is considered and incorporated in curriculum design. The department also invites alumni and employers to deliver a guest lecture on emerging topics.

31. List the distinguished alumni of the students

S. No.	Roll No.	Name	Designation	Organization
1.	09691A0560	S.Naga Santosh Sai Ram	Site Engineer	Exl Infotel, Chennai
2.	09691A0523	G.HARIKA	Trainee Level-1	Mphasis Ltd, Bangalore
3.	09691A05A6	<u>M.Vijay Kumar Naick</u>	Software Engineer	IGATE, Chennai
4.	09691A0583	B.Siva Krishna	Software Engineer	Accenture, Hyderabad
5.	09691A0539	<u>K.Kowmudi</u>	Software Engineer	Cognizant, Chennai
6.	09691A0525	<u>M.Hemalatha</u>	Software Engineer	TCS, Bangalore
7.	11695A0504	L. Chandrahas	Software Engineer	Aricent, Bangalore
8.	10691A0501	A. Ajay	Trainee Software Engg	Global Edge Software Ltd, Chennai
9.	10691A0534	K. Hareen Kumar Reddy	Software Engineer	Tech Mahindra, Bangalore
10.	10691A0512	A. Chaitri Lakshmi	Assoc System Engg	IBM, Hyderabad
11.	10691A0594	B. Sravani	Software Engineer	Infosys, Bangalore
12.	10691A05A6	T. Tejo Murthy	Tech Support Engineer	HCL, Hyderabad
13.	11691A0516	P.S.Deepthi Prapulla	Software Engineer	NTTDATA, Chennai
14.	11691A0572	L.Ravi Shankar Reddy	Trainee Software Engineer	Glenwood Systems, Chennai
15.	11691A0566	Y.Praveen Kumar	JDA	Just Dial, Bangalore
16.	11691A0587	N.Shahid Nawaz Khan	Trainee Software Engineer	Mercedez Benz, Bangalore
17.	11691A0552	T.Mounika	Software Engineer	SAP LABS, Bangalore
18.	11691A0549	S.Md.Iliyas	Trainee Developer	Varenya Soft Tech, Chennai
19.	12691A0537	Jayasimha Reddy .C.R	Software Engineer	CGI, Chennai
20.	12691A0511	R.Bramhini	Associate Software Engineer	Biztime IT Solutions
21.	12691A05B3	G.S.Uday Kumar	Software Developer	Retail On, Bangalore
22.	12691A0580	Chennur Reddy Bhaskar	Sr.Business Development	Reliance, Chennai



			Executive	
23.	12691A05B4	Chowtapalle N Vaishnavi	Trainee Software Engineer	Maarusa Technologies, Chennai
24.	12691a05B0	D Tharun	Software Engineer	Jaze Networks, Hyderabad

32. Details on student enrichment programmes (special lectures / workshops / seminars) with external experts

In order to meet up the extremely growing industry demands, various orientation and training programmes are organized with domain experts from premier institutions and IT companies to get expertise with advanced tools and technologies.

List of student enrichment programmes:

S. No.	Theme/Topic	Resource person, Designation, Name of the company	Date(s)
Academic Year 2015-16			
1.	Guest lecture on “The device web”	Mr.Tushar Chugh, Software Development Engineer from Microsoft.	16/7/2015
2.	Guest lecture on “The art of Co-Relating technologies”	Mr.T.K.Venkataraman, Founder and CEO of Nischintha Technologies	22/7/2015
3.	Wavemaker workshop	Mr.Rama Shankar , Team lead and trainer, pramathi technologies.	20/11/2015 & 21/11/2015
4.	IBM-cloud bluemix workshop(TGMC)	Mr.Anish, IBM Academic Initiative, IBM India Pvt. Ltd.	20/01/2016
5.	Guest lecture on “Career essence program”	Ms. Preethi PY- Senior Software Engineer from IBM India Pvt Ltd	22/1/ 2016
6.	Guest lecture on “Career Guidance”	M.Lokesh Software Engineer from Global Automation Pvt Ltd	22/1/ 2016
7.	Guest lecture on “Effective functional testing”	Mr.L.Chandras, Test Engineer, Aricent company	21/02/2016
8.	National level technical symposium GMOCS-2k16	Dr. S. VASUNDRA, Professor & Head, Department of CSE, JNTUAC E, Ananthapuramu	13/4/2016
Academic Year 2014-15			
1.	Guest lecture on “Career planning”	L.Chandras, Software engineer, Aricent technologies, Bangalore	7/8/2014
2.	Guest lecture on “Oracle database”	Kareemulla Nasyam, YAHOO :Global lead for Central Technology Operations	26/9/2014



3.	Cloud Computing workshop	S. Viswanadha Raju, Professor of CSE & Head, JNTU University,Hyderabad. Resource persons: 1.Dr.P. Venkatakrishna, Professor and former division leader,school of computing science and engineering,VIT university,vellore. 2.Prof. Balamurugan, Associate Professor, school of Information science and engineering,VIT university,vellore	17/10/2014 & 18/10/2014
4.	Guest lecture on “Information Security”	K. Manjunath Associate software engineer, Cognizant,Bangalore.	8/11/2014
5.	Guest lecture on “Mobile Computing Evolution”	Mohammad younas khan.p, Software engineer Glenwood systems,Bangalore	11/02/2015
6.	IBM-cloud bluemix workshop	Mr.R.S.Sachinkumar, IT specialist,IBM Bangalore.	30/03/2015 & 31/03/2015
7.	National level technical symposium GMOCS-2k15	Dr.P. Chenna Reddy, Professor, Department of CSE, JNTUACE, Pulivendula. Judges: 1.Dr.S.Zahoor UL HUQ, Professor, Department of CSE, GPREC, Kurnool & 2.Mr.B.Baskara Rao, Associate Professor & Head, Department of CSE, RGM CET, Nandyala	8/4/2015
Academic Year 2013-14			
1.	Guest lecture on “DotNet Technologies”	Mr . A. Mahesh, Satya Technologies,Hyderabad.	30/10/2013
2.	Guest lecture on “Computational modelling and Knowledge technologies”	Prof.Ambuja Salgaonker, Professor & Chairperson, Board of Studies, Department of Computer Science, University of Mumbai.	12/11/2013
3.	IBM-worklight workshop	Mr. Yuktresh, chintamandaka, IT Specialist,IBM Hyderabad.	30/01/2014
4.	Guest lecture on “Hadoop and Big Data Analytics”	Mr Shamshad Ansari, CEO & President of Accure Pvt Ltd Bangalore	17/2/2014
5.	National level technical symposium GMOCS-2k14	Dr Sithu D Sudarsan Group Manager(Industrial	15/3/2014



		Software Systems) ABB Corporate Research , Bangalore. M.Jaypal Reddy, Associate Professor, Head of Department CSE, Siddartha educational academy,tirupathi. G.V.S.Ananthanath, Associate professor,Vemu institute of technology,P.Kothakota,Near pakala	
6.	Guest lecture on "Placements, employability situation and teaching learning methodologies"	Dr. Sreenivasulu Reddy, Associate Professor, School of IT, JNTU H. Dr.Subbarao Ghanta, President of Institute of Electronic Governance (IEG) formed by the Government of Andhra Pradesh Mr. NBN Ramesh, Chief Training officer , Open KITE. Dr.Sailaja, Assistant Commissioner, Prohibition and Excise (Distilleries) Hyderabad	19/3/2014 & 20/3/2014
7.	Guest lecture on "Soft Computing Approach for Engineering Applications"	Prof.V.S.SKumar, principal of University college of Engineering & Professor & Head of Civil Engineering, Osmania University, Hyderabad.	17/5/2014
8.	Guest lecture on "Teaching practices for engineering education"	Prof.V.S.SKumar, principal of University college of Engineering & Professor & Head of Civil Engineering, Osmania University, Hyderabad.	16/5/2014
Academic Year 2012-13			
1.	Workshop on RFT	Mr.Sourabh Halder Technical Consultant Webtek labs, New Delhi.	21/9/2012 To 23/9/2012
2.	Workshop on RTC	Mr.Rajendra Chowdary Technical Consultant Webtek labs, New Delhi.	4/10/2012 To 7/10/2012
3.	Workshop on RAD	Mr.Chinmay Saraswat Technical Consultant Webtek labs, New Delhi.	14/12/2012 To 17/12/2012
4.	TGMC Workshop	Mr.Lalit Chatter Technical Consultant Webtek labs, New Delhi.	16/2/2013 To 18/2/2013
5.	National level Symposium GMOCS- 2K13	Dr.U.S.N.Raju Professor, NIT, Warangal	23/2/2013



6.	National level conference on “Advanced Technologies (NCAT 2K13)	1.Dr.S.Thamarai Selvi, Dean MIT, Chennai. 2.Dr.B.Eswara Reddy, Asso.Prof., JNTUACE, Anantapur. 3.Dr.C Shobha Bindu, Asso. Prof., JNTUACE Ananthapur. 4.Dr.Rajeswara Rao, Asso.Prof., JNTUK,	30/5/2013 To 31/5/2013
Academic Year 2011-12			
1.	IUCEE Workshop on “Computer Networks”	Dr.Prashanth Mohapatra Professor & Chair/CSE University of California, Davis, USA.	13/6/2011 To 17/6/2011
2.	Workshop on “Research trends in Data Mining”	Dr.R.B.V. Subramanyam Assistant Professor/CSE	14/10/2011
3.	National level Symposium GMOCS- 2K12	Dr.P.Viswanath Professor & Dean RGM – Nandyal Mr.K.Sreenivasulu Professor & Head MEC, Kadapa. Mr.A.Sreenivasulu SVEC, Tirupathi	17/03/2012
4.	IUCEE workshop on Research Methodology	Dr.Prashanth Mohapatra Professor & Chair/CSE University of California, Davis, USA.	11/6/2012 To 15/6/2012

33. List the teaching methods adopted by the faculty for different programmes

The Department of Computer Science & Engineering delivers curriculum in effect with the following methods,

- Lecture interspersed with discussions
- QEEE Pilot Program
- Tutorial
- Experimental demonstration
- Project guidance
- Seminars, workshops, guest lectures

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The curriculum is designed to meet the programme objectives. The objectives of individual courses satisfy one or more of the programme objectives. Learning outcomes are measured continuously through mid-term and end-term examinations. As per the analysis of mid-term marks, identify a list of academically weak students and conduct’s remedial classes to ensure



that the students will perform well in the end-term examinations.

Apart from examinations students are continuously monitored against the building of necessary skills to prove themselves to become successful software professionals.

35. Highlight the participation of students and faculty in extension activities

Fascinated students and faculty will regularly participate in various social activities, sport and games.

- Offering donations to the needy people affected by natural calamities and capital developments
- Engaging in social service activities in nearby villages through NSS, NSS activities like Blood donation camp, Swatch Bharath etc.
- Participating in state and national level sports and games

36. Give details of “beyond syllabus scholarly activities” of the department

The department frequently conducts various workshops, conferences and guest lectures by eminent personalities from academia and software professionals from IT industry. We encourage students to present their research papers or participate in various activities held at other institutions.

Department motivate the students to actively participate in association activities like technical puzzle contests, quizzes, group discussions, etc.

The following activities are adopted by the department for beyond syllabus scholarly activities:

- Workshop/Conference/Seminar/Guest Lectures are organized in the department with internal as well as external participants
- Journal Editing & Publication with the advanced technical concepts
- Value added course (Aptitude)
- Soft skill training
- Guest lecture
- Massive Open Online Courses (MOOCs)
- Audit courses
- Ongoing Research Projects funded by national funding agencies

S. No.	Theme/Topic	Resource person, Designation, Name of the company	Date(s)
Academic Year 2015-16			
1.	Guest lecture on “The device web”	Mr.Tushar Chugh, Software Development Engineer from Microsoft.	16/7/2015
2.	Guest lecture on “The art of Co-Relating	Mr.T.K.Venkataraman, Founder and CEO of Nischintha Technologies	22/7/2015



	technologies”		
3.	Wavemaker workshop	Mr.Rama Shankar , Team lead and trainer, pramathi technologies.	20/11/2015 & 21/11/2015
4.	IBM-cloud bluemix workshop(TGMC)	Mr.Anish, IBM Academic Initiative, IBM India Pvt. Ltd.	20/01/2016
5.	Guest lecture on “Career essence program”	Ms. Preethi PY- Senior Software Engineer from IBM India Pvt Ltd	22/1/ 2016
6.	Guest lecture on “Career Guidance”	M.Lokesh Software Engineer from Global Automation Pvt Ltd	22/1/ 2016
7.	Guest lecture on “Effective functional testing”	Mr.L.Chandahas, Test Engineer, Aricent company	21/02/2016
8.	National level technical symposium GMOCS-2k16	Dr. S. VASUNDRA, Professor & Head, Department of CSE, JNTUAC E, Ananthapuramu	13/4/2016
Academic Year 2014-15			
1.	Guest lecture on “Career planning”	L.Chandahas, Software engineer, Aricent technologies, Bangalore	7/8/2014
2.	Cloud Computing workshop	S. Viswanadha Raju, Professor of CSE & Head, JNTU University,Hyderabad. Resource persons: 1.Dr.P. Venkatakrishna, Professor and former division leader,school of computing science and engineering,VIT university,vellore. 2.Prof. Balamurugan, Associate Professor, school of Information science and engineering,VIT university,vellore	17/10/2014 & 18/10/2014
4.	IBM-cloud bluemix workshop	Mr.R.S.Sachinkumar, IT specialist,IBM Bangalore.	30/03/2015 & 31/03/2015
5.	National level technical symposium GMOCS-2k15	Dr.P. Chenna Reddy, Professor, Department of CSE, JNTUACE, Pulivendula. Judges: 1.Dr.S.Zahoor UL HUQ, Professor, Department of CSE, GPREC, Kurnool & 2.Mr.B.Baskara Rao, Associate Professor & Head, Department of CSE, RGM CET, Nandyala	8/4/2015



Academic Year 2013-14			
1.	Guest lecture on “DotNet Technologies”	Mr . A. Mahesh, Satya Technologies,Hyderabad.	30/10/2013
2.	Guest lecture on “Computational modelling and Knowledge technologies”	Prof.Ambuja Salgaonker, Professor & Chairperson, Board of Studies, Department of Computer Science, University of Mumbai.	12/11/2013
3.	IBM-worklight workshop	Mr.Yuktesh, chintamandaka, IT Specialist,IBM Hyderabad.	30/01/2014
4.	Guest lecture on “Hadoop and Big Data Analytics”	Mr Shamshad Ansari, CEO & President of Accure Pvt Ltd Bangalore	17/2/2014
5.	National level technical symposium GMOCS-2k14	Dr Sithu D Sudarsan Group Manager(Industrial Software Systems) ABB Corporate Research , Bangalore. M.Jaypal Reddy, Associate Professor, Head of Department CSE, Siddartha educational academy,tirupathi. G.V.S.Ananthanath, Associate professor,Vemu institute of technology,P.Kothakota,Near pakala	15/3/2014
6.	Guest lecture on “Placements, employability situation and teaching learning methodologies”	Dr. Sreenivasulu Reddy, Associate Professor, School of IT, JNTU H. Dr.SubbaraoGhanta, President of Institute of Electronic Governance (IEG) formed by the Government of Andhra Pradesh Mr. NBN Ramesh, Chief Training officer , Open KITE. Dr.Sailaja, Assistant Commissioner, Prohibition and Excise (Distilleries) Hyderabad	19/3/2014 & 20/3/2014
7.	Guest lecture on ”Soft Computing Approach for Engineering Applications”	Prof.V.S.SKumar, principal of University college of Engineering & Professor & Head of Civil Engineering, OsmaniaUniversity, Hyderabad.	17/5/2014
8.	Guest lecture on “Teaching practices for engineering education”	Prof.V.S.SKumar, principal of University college of Engineering & Professor & Head of Civil Engineering, OsmaniaUniversity, Hyderabad.	17/5/2014
Academic Year 2012-13			
1.	Workshop on RFT	Mr.Sourabh Halder Technical Consultant Webtek labs, New Delhi.	21/9/2012 To 23/9/2012



2.	Workshop on RTC	Mr.Rajendra Chowdary Technical Consultant Webtek labs, New Delhi.	4/10/2012 To 7/10/2012
3.	Workshop on RAD	Mr.Chinmay Saraswat Technical Consultant Webtek labs, New Delhi.	14/12/2012 To 17/12/2012
4.	TGMC Workshop	Mr.Lalit Chatter Technical Consultant Webtek labs, New Delhi.	16/2/2013 To 18/2/2013
5.	National level Symposium GMOCS- 2K13	Dr.U.S.N.Raju Professor, NIT, Warangal	23/2/2013
6.	National level conference on “Advanced Technologies (NCAT 2K13)	1.Dr.S.Thamarai Selvi, Dean MIT, Chennai. 2.Dr.B.Eswara Reddy, Asso.Prof., JNTUACE, Anantapur. 3.Dr.C Shobha Bindu, Asso. Prof., JNTUACE Ananthapur. 4.Dr.Rajeswara Rao, Asso.Prof., JNTUK,	30/5/2013 To 31/5/2013
Academic Year 2011-12			
1.	IUCEE Workshop on “ Computer Networks”	Dr.Prashanth Mohapatra Professor & Chair/CSE University of California, Davis, USA.	13/6/2011 To 17/6/2011
2.	Workshop on “Research trends in Data Mining”	Dr.R.B.V. Subramanyam Assistant Professor/CSE	14/10/2011
3.	National level Symposium GMOCS- 2K12	Dr.P.Viswanath Professor & Dean RGM – Nandyal Mr.K.Sreenivasulu Professor & Head MEC, Kadapa. Mr.A.Sreenivasulu SVEC, Tirupathi	17/03/2012
4.	IUCEE workshop on Research Methodology	Dr.Prashanth Mohapatra Professor & Chair/CSE University of California, Davis, USA.	11/6/2012 To 15/6/2012

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- The UG Program Accreditation - B. Tech. (Computer Science & Engineering) has got accreditation by NBA for 2 years in the year 2013 (Reference file no: 11-170/2012/NBA, 17.10.13).
- The UG Program Reaccreditation - B. Tech. (Computer Science & Engineering) has got reaccreditation by NBA for 2 years in the year 2016.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.



STRENGTHS:

- Committed, well qualified and experienced faculty to improve quality education with strong R & D expertise.
- Good consistent performance in external exams.
- Well equipped laboratory with high speed Internet connectivity.
- ICT in teaching and learning process.
- Sufficient state of art software available along with computing facilities.
- Clear goals and policy for the students and staff enrichment.

WEAKNESSES:

- Constrained industry sponsored research.
- Communication skills of students from rural areas.
- Opportunities for international collaboration.

OPPORTUNITIES:

- Development of innovative products through R & D.
- To bring in center for continuing education to offer industry collaborative certificate courses.

CHALLENGES:

- To promote study abroad and student exchange program for higher semester students.

39. Future Plans of the Departments

The department has plans to incentivize the research to ensure greater participation by faculty in the research and development work and also put in place to continue in improvement plan for bringing the curriculum on par with industry and societal needs.

- Grow faculty strength with 100% doctorates.
- Start centers of excellence in the areas of core strengths.
- Organize International conferences.

Evaluative Report of Department of Management Studies

1. Name of the Department & its year of establishment
Department of Management Studies & 2004
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

P.G. : MBA

Ph.D.: Domains in Management Studies

3. Interdisciplinary courses and departments involved

Year	Semester	Course Code	Course Offered	Department Involved
2013-14	I	9EBS105	SMM	Mathematics
	I	9E05107	IT for Managers	MCA
	II	9E00207	OR	MCA
2014-15	I	9EBS105	SMM	Mathematics
	I	9E05107	IT for Managers	MCA
2015-16	II	9E00207	Operation Research	Mathematics / MCA
	III	9E00304D	E-Business	MCA
	I	9EBS105	SMM	Mathematics
	I	9E05107	IT for Managers	MCA
2016-17	I	9EBS105	SMM	Mathematics
	I	9E05107	IT For Managers	MCA
	III	9E00207	Operation Research	Mathematics

4. Annual/ semester/choice based credit system: **Semester System**

5. Participation of the department in the courses offered by other departments

Year	Semester	Course Code	Name of the Interdisciplinary Courses	Departments Offered/ Faculty Name
2013-14	II Year-I Sem	13HM1101	Managerial Economics & Financial Accounting	ECE
	III Year -I Sem	9AHS701	Management Science	CSE
	IV Year I Sem	9A03701	Industrial Management Science	ME
2014-15	II Year-I Sem	13HM1101	Managerial Economics & Financial Accounting	CSE
	IV B Tech	9AHS701	Management Science	CSE
	IV B Tech	9A03701	Industrial Management Science	ME



2015-16	II Year-I Sem	14HUM101	Principles of Economics	ECE
	IV Year-I Sem	13A52702	Management Science	ECE
	IV Year-II Sem	13HM1101	Managerial Economics & Financial Accounting	CSE
2016-17	II Year I Sem	14HUM101	Principles of Economics	CSE, ME, ME
	III Year I Sem	14HUM102	Principles of Management	ME -C& D
	IV Year-I Sem	13A52702	Management Science	ECE
	IV Year-I Sem	13HM1101	Managerial Economics & Financial Accounting	CSE-A& B

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

S.No.	Designation	Sanctioned	Filled
1	Professor	3	3
2	Associate Professor	2	2
3	Assistant Professor	31	31
	Total	36	36

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name of the Faculty	Designation	Qualification	Specialization
1	Dr. D. Pradeep Kumar	Professor & Head	MBA., Ph.D	HR & Marketing
2	Dr. Ch. Rama Prasad Rao	Professor	MBA., Ph.D	HR & Finance
3	Dr. Sreemanth Basu	Professor	MBA PhD	Marketing
4	Dr. N. Gangisetty	Assoc. Professor	M Com., MBA., Ph.D	Finance
5	Dr. R. Varadarajan	Assoc. Professor	MBA., MSc., Ph.D	Production
6	Dr. D. AdiNarayana	Asst. Professor	M Com, MBA., Ph.D	Finance
7	Dr. Chandra KantaSahoo	Asst. Professor	MA, MBA., Ph.D	HR & Finance
8	Dr. K. Thulasi Krishna	Asst. Professor	M Com., MBA., Ph.D	Finance
9	Dr. U. Raghavendra Prasad	Asst. Professor	MBA., Ph.D	Finance
10	Dr. C. V. Krishna	Asst. Professor	MBA., Ph.D	HR & Marketing
11	Dr. R. Varaprasad	Asst. Professor	MBA., Ph.D	HR &Marketing
12	Dr. P. Nagaraj	Asst. Professor	M Com., MBA.,	Finance



			Ph.D	
13	Dr. ShaikAhamed Basha	Asst. Professor	B Tech. MBA., Ph.D	Marketing Finance
14	Dr. C. Ravi Kumar	Asst. Professor	MBA., Ph.D	Finance
15	Dr. MohdMujahed Ali	Asst. Professor	MBA., Ph.D	Finance
16	Dr. Geetha Devi	Asst. Professor	MBA., Ph.D	Finance
17	Dr. K. V. V.Raaju	Asst. Professor	M Com M Phil, MBA.,Ph.D	Finance
18	Dr. G. Somasekhar	Asst. Professor	MBA.,Ph.D	Marketing & Systems
19	Dr. A. Kranthi Kumar	Asst. Professor	HR & OB	HR
20	Dr. K. Saritha	Asst. Professor	Computer Science	Systems
21	Dr. N. Ramesh Babu	Asst. Professor	Computer Science	Systems
22	Mr. N. Seshadri	Asst. Professor	MBA (Ph.D)	Finance
23	Mrs. R. Kanimozhi	Asst. Professor	MBA (Ph.D)	HR & Marketing
24	Mrs. J. Megala	Asst. Professor	Systems and HR	HR
25	Mr. B. Sreekanth	Asst. Professor	MBA	Marketing
26	Mr. VeerappanKarthikeyan	Asst. Professor	M.B.A.	Marketing & HR
27	Mr. S. Ismail	Asst. Professor	MBA	HR
28	Mr. S. J. Ravi Kumar	Asst. Professor	MBA	HR & Marketing
29	Mr. R. Rajesh Arockiasamy	Asst. Professor	MBA	HR & Marketing
30	Mr. R. Santosh Kumar	Asst. Professor	MBA	HR & Marketing
31	Ms. B. Mahathi	Asst. Professor	MBA	Finance
32	Mrs. B.Saritha	Asst. Professor	MBA	HR & Finance
33	Ms. J. Sravya	Asst. Professor	MBA	Finance
34	Mr. Venkatesh Jangala	Asst. Professor	MBA	Finance.& Marketing
35	<u>Mr. M. H. Dadapeer</u>	Asst. Professor	MBA	Marketing
36	<u>Mr. G. Sreenivasulu</u>	Asst. Professor	MBA	Marketing

8. Percentage of classes taken by temporary faculty – programme-wise information:
NIL
9. Programme-wise Student Teacher Ratio: **13:1**
10. Number of academic support staff (technical) and administrative staff: sanctioned and Filled

Designation	Sanctioned	Filled
Lab Assistant	02	02
Attender	01	01



11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

a) National level Funding Agencies:

Details of Minor Research Projects 3 year summary sheet

S.No.	Particulars	2015-16	2014-15	2013-14
1	No of Faculty Member	3	1	2
2	Funding Agency	UGC-SERO & BSE	UGC-SERO	UGC-SERO
3	Amount Sanctioned	525000	120000	450000

b) International Level Funding Agencies : Nil

c) Total Grants Received :Rs. 10, 95,000

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
NIL

13. Research facility / centre with

- state recognition : Yes
- national recognition : No
- international recognition : No

STATE RECOGNITION

- The college is recognized as a research centre by JNTUA for three years starting from the academic year 2015-16 to 2017-18 with reference file number “Proc. No. A1/R&D/Recognition of Research Centre/MITS/2014-15”.

14. Publications:

- * Number of papers published in peer reviewed journals (national / International)90 (National: 16, International: 74)
- * Monographs : Nil
- * Chapter(s) in Books : 35



* Editing Books : 02

*

1	Innovative Management Strategies	Dr. D. Pradeep Kumar & Dr. N. Gangisetty	Paramount Publishing House, 3-5-1105, 2 nd Floor, PVR Estates, Narayanaguda, Hyderabad 500029	978-93-82163-21-3	2012
2	Glimpses of Management Challenges	Dr. Ch, Rama Prasada Rao	Sanskriti School of Business Publishers	978 – 163041955 – 4	2014

* Books with ISBN numbers with details of publishers

S. No.	Title	Author/Editors	Publisher	ISBN	Year of Publication
1	Retailing in India II – Cases of Private Label Preferences in Apparel	Venkata Krishna. Chodimella	Lambert Academic Publishing, Heinrich-Bocking-Str. 6-8, 66121 Saarbrucken, Deutschland, Germany	978-3-659-87915-9	2016
2	Mutual Funds in India: Growth, Trends and Regulations (In Press)	Dr. K. Thulasi Krishna	Kanishka Publishers, Distributors, 4697/5-21A, Ansari Road, Daryaganj, New Delhi-110 002	ISBN : 978-81-8457-709-9	2016
3	Business Analytics: Tools, Techniques and Applications	Dr. D. Pradeep Kumar and Dr. R. Varadarajan	McGraw Hill Education (India) Pvt. Ltd. P-24, Green Park Extension New Delhi 110016	ISBN-13: 9781308714769 ISBN-10: 1308714769	2015
4	Strategic Marketing	Dr. D. Pradeep Kumar	Akansha Publishing House 4649-B/21, Ansari Road, Daryaganj, New Delhi 110002	978-81-8370-343-7	2013
5	CRM Practices in Indian Telecommunications	Dr. D. Pradeep Kumar	Lambert Academic Publishing, Heinrich-Bocking-Str. 6-8, 66121 Saarbrucken, Deutschland, Germany	978-3-659-36524-9	2013
6	Modern Human Resource Management	Dr. Chandrakanta Sahoo	Enkay Publishing House, 209, Hari Sadan, Ansari Road, Darya Ganj, New Delhi 110002	978-93-80995-05-2	2011
7	Human Resource Management in the New Global Order	Dr. Chandrakanta Sahoo	Enkay Publishing House, 209, Hari Sadan, Ansari Road, Darya Ganj, New Delhi 110002	978-93-80995-39-7	2011

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



- * Citation Index – range / average **0.22 to 1.72 / 0.76**
 - * SNIP: **NA**
 - * SJR : **NA**
 - * Impact factor – range / average: **0.337 to 5.99 / 3.12**
 - * h-index : **2**
15. Details of patents and income generated: **Nil**
16. Areas of consultancy and income generated: **8,00,000/-**

Details of Consultancy Projects

S.No.	Particulars	2015-16
1	No of Faculty Member	1
2	Funding Agency	Holy Mary Institute of Technology & Science
3	Amount Sanctioned	800000

17. Faculty recharging strategies
- Faculty Development Programmes, conferences, seminars and workshops on latest technologies are being arranged regularly for the faculty.
 - Conducting interactive sessions with experts from industry and reputed academic institutions.
 - Sponsoring the faculty members for higher studies as a part of qualification improvement programmes.
 - Faculty members are being sponsored to present papers in national/international workshops or conferences with financial assistance.
 - Refresher courses were conducted to acquire updated the knowledge in emerging business environment trends.
 - 4G Data cards and CUG simcards have been provided by the institution to all the doctorates.
18. Student projects
- Percentage of students who have done in-house projects including inter-departmental: **Nil**
 - Percentage of students doing projects in collaboration with industries / institutes. : **100 %**
19. Awards / recognitions received at the national and international level by
- Faculty



- Doctoral / post-doctoral fellows
- Students

Awards Received by the Faculty Members

S.No	Year	Name of the faculty	Name of the Award	Organization presented	Purpose of Award
1	2015	Dr .K. Tulasi Krishna	JNTUA University level Poetry Competition	JNTUA, Anantapuramu	On the eve of Dr.APJAbdualKalam Birth anniversary
2	2016	Dr. C. V. Krishna	Outstanding Research Paper Award	ICBM-SBE, Hyderabad	ICBM National Conference on Management Research-2016

Student fellowships selected and awarded by UGC, Govt. of India

S. No.	Name of the Student	File no and date of sanction	Department	Course studying	Funding agency	Amount sanctioned
2014						
1.	Ms.Yarraballi Rohitha	PGSPROF-2013-14-SC-AND-18676/(SA-III/Website)dt.11-06-2014	Management Studies (MBA)	MBA first year	UGC, New Delhi	Fellowship: 4,700.00 PM + Contingency Grant: 10,000/- per Year
2.	Mr.M.Vinay Kumar	PGSPROF-2013-14-SC-AND-18963/(SA-III/Website)dt.11-06-2014	Management Studies (MBA)	MBA first year	UGC, New Delhi	
3.	Mr.C.Rajesh	PGSPROF-2013-14-SC-AND-18687/(SA-III/Website)dt.11-06-2014	Management Studies (MBA)	MBA first year	UGC, New Delhi	
4.	Mr.B.Lakshmi narayana	PGSPROF-2013-14-SC-AND-18685/(SA-III/Website)dt.11-06-2014	Management Studies (MBA)	MBA first year	UGC, New Delhi	
2015						



5.	Ms. Doriginti Nirosha	PGSPROF-2014-15-SC-AND-30491	Management Studies (MBA)	MBA first year	UGC, New Delhi	Fellowship: 4,700.00 PM + Contingency Grant: 10,000/- per Year
6.	Ms. Anamala Jyothy	PGSPROF-2014-15-SC-AND-30587	Management Studies (MBA)	MBA First Year	UGC, New Delhi	Fellowship: 4,700.00 PM + Contingency Grant: 10,000/- per Year
2016						
7.	K. Swathi	PGSPROF-2015-16-SC-AND-28319	Management Studies (MBA)	MBA First Year	UGC, New Delhi	Fellowship: 4,700.00 PM + Contingency Grant: 10,000/- per Year

20. Seminars/ Conferences/Workshops organized and the source of funding (national i. International)with details of outstanding participants, if any.

S.No	Year	Conference	Venue	Source of Fund
1	2012	National Conference on Innovative Management Strategies NCIMS	MITs, Madanapalle	Management
2	2014	International Conference on Innovative Management Strategies ICIMS	Clarks Exotica, Bangalore	Management
3	2015	International Conference on Innovative Management Strategies(ICIMS)	Fortune Select Grand Ridge, Tirupati	AICTE
4		National Seminar on Financial Markets	MITs, Madanapalle	Management

List of workshops

S.No	Year	Seminars/Workshops	Venue	Source of Fund
1	2012	Two Day workshop on SPSS	MITs, Madanapalle	Management
2	2015	Four Day Workshop on Business Analytics	MITs, Madanapalle	Management



21. Student profile course-wise:

Year	Applications Received	Selected		No of Students Passed		Pass Percentage	
		Male	Female	Male	Female	Male	Female
2014-16	168 (165)*	107	61	82 (131)	49 (131)	49.69	29.7
2013-15	120 (115)*	81	39	55 (84)	29 (84)	45.83	24.16
2012-14	57 (54)*	39	18	32 (48)	16 (48)	59.25	29.62
2011-13	59 (56)*	46	13	34 (48)	14 (48)	60.7	25
2010-12	50 (46)*	36	14	34 (43)	9 (43)	74	19.5

- Students appeared for final semester exams

22. Diversity of Students

Year	% of students from college	No of Students from AP	% of Students from AP	No of Students from Other States	% of students from other states	% of students from other Countries
2015-16	Nil	161	100	0	Nil	Nil
2014-15	Nil	168	100	0	Nil	Nil
2013-14	Nil	118	98	2	2	Nil
2012-13	Nil	57	100	0	Nil	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

NIL

24. Student progression

Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.

Student progression	2011-13	2012-14	2013-15	2014-16
U.G to P.G	Nil	Nil	Nil	Nil
P.G to M.Phil	Nil	Nil	Nil	Nil



P.G to Ph.D	Nil	Nil	Nil	Nil
Ph.D to Post doctorate	Nil	Nil	Nil	Nil
Employed Campus selection %	80% (45)	96% (46)	82% (67)	82% (127)
Other than campus recruitment %	20% (11)	-	13% (11)	15% (23)
Entrepreneurs %	Nil	4% (2)	05% (4)	03% (5)
Students interested in Placements	56	48	82	155
Total Students	59	57	120	168

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same Parent University	11.11%
From other universities within the state	38.89%
From other universities from other states	50.00%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S.No.	Year of Award	Name of the Faculty	University	Specialization
1	2011	Dr. Chandra KantaSahoo	Utkal University	HR
2	2012	Dr. U. Raghavendra Prasad	SK University	Management
3	2012	Dr. C. V. Krishna	Utkal University	Marketing Mgt
4	2013	Dr. K. Thulasi Krishna	SV University	Finance
5	2013	Dr. K. V. Geetha Devi	SK University	HR
5	2014	Dr. R. Varaprasad	SK University	Marketing
6	2014	Dr. MohdMujahed Ali	Kakatiya University	Com & Bus Mgt
7	2014	Dr. P. Nagaraj	Osmania University	Finance
8	2014	Dr. C. Ravi Kumar	Kuvempu University	Finance



9	2015	Dr. Shaik Ahamed Basha	SV University	HR & MARKETING
11	2015	Dr. K. Srinivas	RTM Nagpur University	Finance
12	2015	Dr. K. V. V. Raju	Dravidian University	Finance
13	2015	Dr. G. Somasekhar	SV University	MARKETING
14	2016	Dr. A. Kranthi Kumar	VIT University	HR & OB
15	2014	Dr. K. Saritha	Sri Padmavati Mahila Viswavidyalayam (Women's University), Tirupati	Computer Science
16	2016	Dr. N. Ramesh Babu	Sri Krishnadevaraya University, Ananthapuramu	Computer Science

27. Present details about infrastructural facilities

a. Library –

b. Department Library

Books:

No. of volumes: 297

No. of Titles: 157

Journals:

No. of Volumes: 07

No. of Titles: 04

c. Internet facilities for staff and students : Wi-Fi facility available with bandwidth of 100mbps speed

d. Total number of class rooms :7

e. Class rooms with ICT facility :7

f. Students' laboratories :

Students Laboratories			
S.No.	Name of the Laboratory	No. of Systems & Software	Configuration
1	Business Analytics Lab	65 SPSS, Tally, R and MS Office	Processor:i3; 4 GB Ram; 500 GB HDD; Windows 10.

Research laboratories: Nil

28. Number of students of the department getting financial assistance from College.

Programme	No.of Research Scholar	Stipend / month (Rs.)	Total / month (Rs.)
Ph.D	04	10,000	40,000

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

NA

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, Department always welcomes feedback from faculty on curriculum design and teaching-learning-evaluation process. Valuable inputs from different faculty on curriculum and teaching-learning-evaluation are seriously considered and incorporated in the curriculum. Feedback from faculty members is collected from time-to-time to incorporate the changes in curriculum.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

The department has a practice of collecting students' feedback on staff, curriculum and teaching-learning-evaluation. The online feedback collected from the students is tabulated and the respective scores for each parameter and the overall score for each faculty is calculated. The same is fed back to the concerned faculty for improvement and betterment.

Based on student's feedback a department meeting is conducted and recommendations on the remarks are made by the Head of the Department to the concerned faculty to concentrate on the areas who need improvement. Also student's suggestions considered for updating the curriculum.

- c. Alumni and employers on the Programmes and what is the response of the department to the same?

The department conducts Alumni meets and takes their opinion on the conduct of the programme and explore the nature of industry expectations. Similarly employers also are invited as chief guests to various workshops/seminars/conferences/symposiums organized by different departments. MITS is strictly following a practice of having one Alumni and One industry expert as BOS member. Every valuable suggestion of Alumni and employers is considered seriously and incorporated in curriculum design and delivery. The department also invites Alumni and Employers to deliver a guest lecture on emerging topics.



31. List the distinguished alumni of the department (maximum 10)

The following are distinguished Alumni of MBA Department

S. No	Batch	Regd No.	NAMES	Name of the Company	Designation
1	2008-10	08691E0008	Devaraju	KPIT, B'Lore	HR Executive
2		08691E0011	G. Shilpa	KPIT, B'Lore	HR Executive
3	2010-12	10691E0009	Hanumanth	WIPRO	HR Recruiter
4		10691E0005	Divya	Accenture	HR Recruiter
5		10691E0035	Saikrupa	Honey Well	HR Recruiter
6	2011-13	11691E0001	Ali Ahmad	HP	Financial Analyst
7		11691E0017	Hemalatha	Namo Networks	HR Recruiter
8		11691E0047	Subrahmanyam	SBI	PO
9	2012-14	12691E0025	Mahesh Garla	Infosys	Financial Analyst
10		12691E0032	Punith	IBM-	Practitioner
11		12691E0024	Sameer	ICICI-	Probationary Officer
12		12691E0048	Soma Sekhar	Asray Construction	Marketing Executive
13		12691E0020	Irfan	Infosys	Financial Analyst
14	2013-15	13691E0060	NavyaSree	E & Y	Tax Analyst
15		13691E0058	Naveen	Moving Needle	Marketing Executive
16		13691E00A4	M.Jhanavi	Viteos	Financial analyst
17		13691E0010	Chandra Sekhar	Berger Paints	Marketing Manager
18		13691E0079	RamMohan Reddy	Capital IQ	Research Associate
19	2014-16	14691E0064	Krishna Teja	Angel Broking	Sales Officer
20		14691E0065	Lakshmi Reddy	Mphasis	Transaction Officer
21		14691E00G8	Narasimha Reddy	IBM	F & A Deliver
22		14691E0032	Divya	Mukunda Foods	BDE
23		14691E00A0	Prasad Naidu	Reliance	BD
24		14691E0018	Bavajan	Bazarclick	Business aAnalyst
25		14691E00F5	VijayaSimha Reddy	Infosys	Process Executive
26		14691E00C1	Siva Nagendra	Spandana spoorthy	Branch Manager
27	14691E00B4	Kishore babu	Religare Securities	Sales Associate	
28	2015-17	15691E0042	Harsha	Global Automation	Finance Analyst
29		15691E0024	Charan Kumar	Global Automation	Finance Analyst

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Item	2015-16	2014-15	2013-14	2012-13
Extent to which, the B-school contributes to develop at the local level	10	5	4	2

Students Enrichment Programmes @ MITS Department of Management Studies

Sl.No	Activity	Date	Resource Person
1.	Workshop on SPSS	11 th and 12 th May, 2012	Mr. Satish, SPSS South East Asia Pvt. Ltd, B'lore
2.	Training Programme on Anti Plagiarism(Turnitin)	6 th December, 2013	Mr.Arjun BJ Territory Manager, Balani Info Tech PVT LTD Bangalore
3.	Seminar on “ Careers in Securities Market”	9 th April, 2014	NikhilShinde SEBI Mumbai
4.	An Awareness Program on NSDC Star Project Programmes	21 st April, 2014	Dr. U. Chandra Sekhar, Managing Director of Empower HR Solutions Pvt. Ltd., Bangalore
5.	A Guest lecture applying for job in a better way	16 th June , 2014	Mr.K.Nagraj Senior HR Executive Unisys Global Services Private Limited
6.	A Guest Lecture on Job Orientation	30 th June, 2014	Mr. MuskinVally, Area Manager, Coromandel International Ltd., Chennai
7.	Personality Development Training Programme	11 th to 15 th November, 2014	SumanthBenerjee Managing Director & Trainer, Emerge Placements & Training Academy, Pvt Ltd , Hyderabad Mr.VikramPeteru Trainer, Emerge Placements & Training Academy,
8.	Workshop on Excel	8-13 th December, 2014	Mr. Ravi Kumar, Excelsage, Hyderabad
9.	CRESCENDO	3 rd January 2015	Jaya Simha Motivational Speaker-Bangalore
10.	Workshop on Tally ERP Package 9.0	8-14 th February, 2015	Mr. K. Srinivas, Director, Goodwill Computer Education, Madanapalle
11.	Job Market, Presentation Skills ,Interview questions and corporate etiquettes	6 th June , 2015	Mr.Mahesh Infosys, Bangalore
12.	Guest Lecture on Career Opportunities	5 th August, 2015	Mr.Hunumanth, HR Manager, Wipro Bangalore
13.	Anti Ragging Awareness Programme	25 th Aug, 2015	Dr.S.S.S Jaya Raju Second Additional District Judge ,Madanapalle
14.	Guest Lecture on Recent Trends in Management	3 rd Sept , 2015	Mr. Uday, Administrator Officer, AGSAR Paints, Bangalore
15.	Seminar on Financial Markets	9 th December,2015	Mr. Vinayak, AsstManager,NSE
16.	153 rd Birth Anniversary Celebrations of Sri Swami	12 January 2016	Mr. K Satyanarayana, Life member of



	Vivekananda		Bharatiya Vidya Bhavan, Vivekananda Kendra, Kanyakumari.
17.	Orientation Training Programme for NSS Programme Officers	23 – 29 January 2016	N.A. D. PAL Program coordinator, National Service Scheme (Ministry of Youth Affairs & Sports, Govt. of India & Govt. of AP)
18.	“Right Approaches to Solve the Research Problem”	30 January 2016	Dr. Balaji Ganapathy, Asst. Professor, Dept. of Chemistry and Dr. Logudurai Radhakrishnan, Asst. Professor, Dept. of Chemistry
19.	An Interactive session with Central Minister for Health and Family Welfare	8 February 2016	Mr. J. P. Nadda, Union Health Minister & Smt. Daggubati Purandeswari, Ex-HRD Union Minister
20.	One Day Workshop on “Entrepreneurship Development”	12 th February, 2016	Sri M. Jawahar Babu, Assistant Director, District Industries Centre, Chittoor.
21.	Guest lecture on “ How do we see the world: Neuroscience of social perception ”	16 th February, 2016	Dr. Bhuvanesh Awasthi Macquarie University, Sydney, Australia

33. List the teaching methods adopted by the faculty for different programmes.

MITS, Department of Management Studies delivers curriculum using an innovative "blended approach" that includes

- Lectures and Tutorials
- Practical Illustration
- Innovative and relevant Lab-work
- Workshops, Seminars, Guest Lectures and Extension Lectures
- Case Based Teaching
- Group Discussions
- Presentations, Video Films and Demonstration of Models
- Brainstorming
- Industrial study Tours
- Projects
- Literature Search/Survey
- Media Watch
- Web Based Learning
- Small Group Activities

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The curriculum is designed to meet the program objectives. The objectives of individual courses satisfy one or more of the program objectives.

Learning outcomes are measured continuously through mid-term examinations and end-term examinations. In the event of underperformance in the mid-term examinations remedial classes on specific learning outcomes are conducted to ensure students perform well in the end-term examinations.

Apart from the examinations, students are continuously monitored against the building of necessary skills to prove themselves to be successful managers. To ensure this, various practical oriented laboratories, industrial visits and activities are conducted viz., Business Communication Lab, Personality Lab, SPSS Lab, and entrepreneurship development workshops.

35. Highlight the participation of students and faculty in extension activities.

1. NSS Activities

Sl. No	Year	No of Events	Participants
1.	2015 -2016	9	50 MBA NSS Volunteers
2.	2014 -2015	13	43 MBA NSS Volunteers
3.	2013 - 2014	6	30 MBA NSS Volunteers
4.	2012 - 2013	3	23 MBA NSS Volunteers

2. Participation in Student Club activities

Sl.No	Name of the Club	2016		2015	
		No. of Activities	No. of Participants	No. of Activities	No. of Participants
01	Yoga & Meditation Club	5	90	3	70
02	Sports Club	4	50	5	80
03	Arts & Cultural Club	10	70	6	100
04	English Club	4	80	4	60
05	Investors Club	5	75	2	55
06	HR Club	4	60	2	40
07	Film Makers Club	6	75	4	55



08	Event Management Club	4	120	2	100
09	Tech Club	2	80	1	55
10	Marketing Club	3	70	1	40
11	MSR Club	2	70	-	-
12	Literacy Club	1	80	-	-

3. Membership in the following professional bodies

S.No	Name of the Faculty	Nature of the Membership	Professional Body
01	Dr. D. Pradeep Kumar	Life Member	AMA, ISTE, BMA, MTCG, NHRD Network
02	Dr. ChandrakantaSahoo	Life Member	ISDS, MTC-G
03	Dr. N. Subrahmanyam	Life Member	IAI
04	Dr. Mohd. Mujahed Ali	Life Member	SEBI, ASP
05	Mr. Seshadri .N	Life Member	ISTE
06	Dr. N. Gangisetty	Life Member	ISTE
07	Dr. C.V. Krishna	Life Member	MTC-G,, EMRBI,

36. Give details of “beyond syllabus scholarly activities” of the department.

The Department conducts various workshops (Supply Chain Management, Research Methodology, SPSS etc.), Man-Meets (Excelsis), National & International Conferences on a regular basis. The department frequently organizes Guest Lectures by eminent personalities from academia and industry. Students are also encouraged to present research papers and participate in activities in different conferences and man meets held at various other colleges.

Entrepreneurship Development Cell

Department has Entrepreneurship Development Cell. The aim of establishing Entrepreneurship Development Cell is to encourage entrepreneurship among Management Students.

Idea Generation cell and incubation center

Department of management studies promotes students to take part actively in idea generation cell and incubation centre. It consists of one faculty and three students.

Club Activities

Formal Clubs: Finance Club, Marketing Club, HR Club

Informal clubs: Dance Club, Music Club, Short Film Club and Investment club



37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

Yes, accredited with NBA, F.No:11-170/2012/NBA, Dt: 02-08-2016

Strengths:

1. Qualified and experienced faculty
2. Majority of faculty have extensive exposure to professional work environment
3. The department has excellent infrastructure in terms of class rooms and equipment to enable flawless delivery of courses and evaluation of student performance
4. The department has industry institute interaction cell, Idea Generation Cell and Incubation Centre that are in continuous touch with the Institutional Centers and promote practical knowledge among the students.
5. The department has strong relationship with academic experts from premier institutions such as the IIM

Weaknesses:

1. Less industrial activity in the neighborhood of the institute and hence providing frequent real world exposure to the students is a challenge.
2. The students who join the program have poor communication ability and hence are not able to participate actively in class room discussions
3. Many students who join the program have limited access to resources such as computers and internet due to their financial background.
4. The faculty initiates publishing high quality papers and articles.

Opportunities:

1. The department to collaborate with a few businesses in Madanapalle, Chittoor, and Bangalore to establish their capability to provide management consulting and enable them to grow into bigger businesses
2. The faculty of the department to explore consulting opportunities to gather data for their publications and hone their management skills
3. The department to build relationship with the industrialists in the nearby area to invite them to deliver lectures to inspire students to explore the possibility of becoming entrepreneurs.
4. The department to market itself in nearby bigger cities such as Chennai, Bangalore, Hyderabad etc. to attract better students and placements

Challenges

1. Competition from Business schools (standalone)
2. Unwillingness of students from metros to come and stay in a small town with limited amenities



39. Future plans of the department.

The department wishes to become a globally well-known institution in the education sector. Furthermore the institute has increased the thrust on the research and development front and has a dean research, and a dedicated research coordinator. The institution has plans to incentivize the research to ensure greater participation by faculty in the research and development work.

Evaluative Report of Department of Computer Applications

1. Name of the Department & its year of establishment : **Computer Applications, 2004.**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **M.C.A, M.C.A(Direct 2nd Year)**
3. Interdisciplinary courses and departments involved :

S.No	Course Name	Year & Semester	Department
M.C.A			
1	English for Communication	I & I	Basic Sciences & Humanities
2	Communication Skills Practical	I & I	Basic Sciences & Humanities
3	Discrete Mathematics	I & II	Basic Sciences & Humanities
4	Open Elective – I	II & I	Management Studies
5	Open Elective - II & III	II & II	Management Studies
6	Open Elective – IV	III & I	Management Studies

4. Annual/ semester/choice based credit system : **Semester**
5. Participation of the department in the courses offered by other departments :

Name of the Course	Year & Semester	Department Involved
E-Business	MBA II Year Ist Semester	Management Studies
Operations Research	MBA II Year Ist Semester	Management Studies
ITM Lab	MBA I Year Ist Semester	Management Studies

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors): Institute appoints faculty according to the need/availability. Criteria is highest qualification. Qualification is not a primary need.

	Sanctioned	Filled
Professors	03	0
Associate Professors	06	1
Asst.Professors	19	28



7. 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. E. Madhusudhana Reddy	M.C.A, M.Tech, PhD	Asso.Professor	Network Security	16 Y	--
2	Dr. S. V. S. Ganga Devi	M.C.A, Ph.D	Asst. Professor	Data Mining	20 Y	--
3	Dr. N. Naveen Kumar	M.C.A, Ph.D	Asst. Professor	Image Processing/ Data mining	8 Y	--
4	Dr. P. Velayutham	M.C.A,M.Phil, Ph.D	Asst. Professor	Software Engineering	18 Y 10 M	--
5	Dr. R. Senthil Kumar	M.C.A,M.B.A, Ph.D	Asst. Professor	Mobile Adhoc-Networks	9 Y 3 M	--
6	Dr. Ganala Santoshi	M.C.A, M.Tech, PhD	Asst. Professor & Head	Robotic/Mobile Sensor Networks	4 Y	--
7	Dr. M.Jayakameswarai	M.C.A, Ph.D	Asst. Professor	Data Mining	6 Y 4 M	--
8	Dr. R. Parthiban	M.C.A, Ph.D	Asst. Professor	Educational Data Mining and E-Learning	4 Y 3 M	--
9	Dr. C.Vijay Kumar	M.C.A, Ph.D	Asst.Professor	Cloud Computing	2 Y 8 M	--
10	Dr. S. G. Shrinivas	M.C.A,Ph.D	Asst. Professor	Data Mining	14 Y 6 M	--



11	Dr. V. L. Pavani	M.C.A,M.Phil, Ph.D	Asst. Professor	Network Security	14 Y	
12	Mr.B.Sudhir	M.C.A.,M.Phil	Asst. Professor	Software engineering / CN	14Y	--
13	Mr. K. Chokkanathan	M.C.A, M.Phil,M.E.,(P h.D.)	Asst. Professor	Network Security	15 Y	--
14	Mr. K. Chandra Sekhar	M.C.A, M.E.	Asst. Professor	Computer Application s	5 Y	--
15	Mr. B. Gopal Rao	M.C.A, M.Tech.	Asst. Professor	Computer Application s	9 Y	--
16	Mr. A. Althaf Ali	M.C.A, M.Phil,(Ph.D)	Asst. Professor	SQA in cloud	9 Y	--
17	Mr.A.Subramane swara Rao	M.C.A, M.Tech.	Asst. Professor	Computer Application s	7 Y	--
18	Mr. V. Maruthi Prasad	M.C.A, M.E	Asst. Professor	Computer Application s	8 Y 1 M	--
19	Mr. G. R. Hemanth Kumar	M.C.A, M.Tech,(Ph.D)	Asst. Professor	Wireless Sensor Networks	11 Y	--
20	Mrs. N. K. Nithya	M.C.A.,M.Phil	Asst. Professor	Information Security	7 Y	--
21	Mrs. A. R. Pavani	M.C.A	Asst. Professor	Computer Application s	7 Y	--
22	Mr. B. Chakradhar	M.C.A	Asst. Professor	Computer Application s	3Y 1 M	--
23	Mr. P. Hanok	M.C.A	Asst. Professor	Computer Application s	1 Y 2 M	--
24	Mrs. K. Surekha	M.C.A, M.Tech	Asst. Professor	Computer Science	4 Y	--
25	Mr. D. M. Abhinay Kanth	M.Tech	Asst. Professor	Computer Science	1 Y 3 M	--



26	Mr. V. Saiseshagiri	M.Tech	Asst. Professor	Computer Science	1 Y	--
27	Mr. B. Bhaskar	M.Tech	Asst. Professor	Computer Science	2 Y 7 M	--
28	Mrs. V. Geetha	M.Tech	Asst. Professor	Computer Science	11 Y	--
29	Mr. S. Suresh	M.C.A	Teaching Asasociate	Computer Applications	1 Y	--

8. Percentage of classes taken by temporary faculty – programme-wise information :**NIL**

9. Programme-wise Student Teacher Ratio : **1:13**

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :

	Sanctioned	Filled
Academic Support Staff (Technical)	9	9
Administrative staff	1	1
Attender	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. :

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Proposal	Amount sanctioned as First instalment
1	Mr .B.Sudhir	MRP-6097/15 (SERO/UG C) January-	Decision Support System For Agriculture Land For Crops In Kadapa And	UGC-SERO & January 2015(National)	80,000	60,000



		2015	Chittoor District			
2	Dr.S.V.S. Ganga Devi	F.NO:4-4/2015-16(MRP/UGC-SERO)	Analyzing Ground Water Quality using Data Mining Techniques for the Regions of Kadapa District, AP and Developing Portal for Drinking Water Supply Management System.	UGC-SERO & October,2016	3,30,000	
3	Mr.V.Maruthi Prasad	F.No.4-4/2015-16(MRP/UGC-SERO)	Detection Approach for Botnets with cross cluster correlation	UGC-SERO & October,2016	2,15,000	

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Proposal	Amount sanctioned as First instalment
1	Mr .B.Sudhir	MRP-6097/15 (SERO/UGC) January-2015	Decision Support System For Agriculture Land For Crops In Kadapa And Chittoor District	UGC-SERO & January 2015(National)	80,000	60,000
2	Dr.S.V.S. Ganga Devi	F.NO:4-4/2015-16(MRP/UGC-SERO)	Analyzing Ground Water Quality using Data Mining Techniques for the Regions of Kadapa District, AP and Developing Portal for Drinking Water Supply Management System.	UGC-SERO & October,2016	3,30,000	



3	Mr.V.Maruthi Prasad	F.No.4-4/2015-16(MRP/UGC-SERO)	Detection Approach for Botnets with cross cluster correlation	UGC-SERO & October,2016	2,15,000	
---	---------------------	--------------------------------	---	-------------------------	----------	--

13. Research facility / centre with :

- state recognition : Recognized by Andhra Pradesh government for skill development centre
- national recognition : YES
- international recognition : NIL

14. Publications:

* number of papers published in peer reviewed journals (national / international): 91 (National : 05, International : 86)

* Monographs: 03

S.No.	Name of the Faculty	Name of the Monograph	ISBN and Publisher details
1	Dr. Ganala Santoshi	Efficient Hexagonal 2 coverage by Mobile Sensor Nodes	ISBN- 10 3659196010 ISBN-13: 978-3659196010 LAP Lambert Academic Publishing (24 July 2012)
2.	Dr. E.Madhusudhana Reddy	Enhancement to Selective Incremental Approach Transductive Nearest Neighbour Classification	ISBN: 978-3-656-34250-2 Green Verlog GnbH, Norderstet, Germany
3.	Dr. E.Madhusudhana Reddy	“Pattern Analysis for Effective Classification Using Parrallel Apriori”	ISBN 978-3-8433-9419-2 LAP Lambert Academic Publishing GmbH & Co., KG, Germany

* Chapter in Books:01

S. No.	Name of the Faculty	Name of the Book	ISBN and Publisher Details
1	Dr. Ganala Santoshi	Dynamic Coverage by Homogeneous Mobile Sensor Nodes Using Tri-Hexagonal Scheme (Lecture notes in Electrical Engineering)	ISBN: 978-81-322-1156-3, Chapter No.: 93, DOI: 10.1007/978-81-322-1157, Springer India 2014

* Editing Books : ---

* Books With ISBN / ISSN numbers with details of publishers: 03



S. No.	Name of the Faculty	Name of the Book	ISBN and Publisher Details
1	Dr. Ganala Santhoshi	Efficient Hexagonal 2-Coverage By Mobile Sensor Nodes: Mobile Traversal Algorithm	Publisher: ACM ACM-LAP, ISBN:3659196010 9783659196010
2.	Dr. E.Madhusudhana Reddy	Information Security	ISBN: 978-81-08497-1-5, IKON Books
3.	Dr. E.Madhusudhana Reddy	Development of Secure Protocol for MHIS Using RMPJK-RSA Cryptosystems	ISBN: 978-3-8465-9070-6 LAP Lambert Academic Publishing GmbH & Co., KG, Germany

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.**) : **74**

* Citation Index - Range / Average: 0 – 24 / 2.586

* SNIP: -- 0.111

* SJR: -- 0.0545

* Impact factor –range/average: 0.18 -6.391 / 5.456

* h-index: 0- 3

15. Details of patents and income generated : **NIL**

16. Areas of consultancy and income generated :**NIL**

17. Faculty recharging strategies:

- Deputing to National and International Conferences and Workshops.
- Faculty are encouraged to attend FDP's.
- Beneficial schemes which are special in nature comparing with other institutes.
- Periodic evaluation and performance based promotions.

18. Student projects:

Academic Year	Percentage of Students who have done in-house projects	Percentage of Students doing Projects in collaboration with industries
2015-16	93.47	6.52
2014-15	99	1
2013-14	100	-
2012-13	100	-
2011-12	100	-



19. Awards / recognitions received at the national and international level:

Faculty	Nil
Doctoral / post doctoral fellows	Nil
Students	20

Student recognitions

Academic year 2014-15					
SNO	Date	Name of the Student	Event Name	College	Achievement
1	6 th July, 2014	G.Suresh & S.Roshan	lakshya-2k14(Paper Presentation)	lakkireaddy Balireddy college of engineering,mylavaram,vijayawada	Second prize
2	10 th Apr, 2015	T.OM Nandha Kisore Reddy	IGNATIA-2015(Paper Presentation)	Sri Venkateswara college of Engineering, Tirupati	First Prize
3	10 th Apr, 2015	M.Hemalath	IGNATIA-2015(Paper Presentation)	Sri Venkateswara college of Engineering, Tirupati	First Prize
4	10 th Apr, 2015	N.Nandini	IGNATIA-2015(Event)	Sri Venkateswara college of Engineering, Tirupati	First Prize
5	25 th Apr, 2015	P.yoganand kumar	NCACI-2K15	KMM institute of post graduate studies	First Prize

Academic year 2012-13					
6	09th August 2012	Naryana Reddy	Technical Quiz	Srinivasa Institute of Technology & Management, Chittoor	First Prize
7	09th August 2012	R.Adinarayana & V.Tharaka RamaRao	Technical quiz	Sri Krishna Devaraya Engineering College, GOOTY	First Prize
8	20 August, 2012	M.N.Padma Pavithra	Paper presentation	Sri Krishna Devaraya Engineering College, GOOTY	First Prize



9	28 th Sep,2012	BalaKrishna & Sudhakar	SPARK-12	Intell Engg college,Ananthapur	First Prize
10	20 th Mar,2013	K.Supriya Reddy & S.Devi Prasanna	SAI SAKETHIKA-2K13(Paper Presentation)	Sri Sai Institute of Technology and Science,Rayachoty	Third prize

Academic year 2011-12					
11	3 rd Dec,2011	B.Lakshmi Bhargavi & M.N. Padma Pavithra	National Level Competition Anusandhaan 2k11(Paper presentation)	GATES Institute of Technology, Gooty	First Prize
12	3 rd Dec,2011	I.Sree Maha Lakshmi	National Level Competition Anusandhaan 2k11(Quiz)	GATES Institute of Technology, Gooty	First Prize
13	10 th March,2012	B.Lakshmi Bhargavi M.N.Padma Pavithra	Triumph in National Level Competition (Technical Quiz)	SIETK, PUTTUR	First Prize
14	10 th March,2012	B.Lakshmi Bhargavi M.N.Padma Pavithra	Triumph in National Level Competition (Paper presentation)	SIETK, PUTTUR	First Prize
15	17 March, 2012	T.Gurunadh, I.Sree Maha Lakshmi	Technical quiz	Sri Sai College of IT & Management, KADAPA	Second Prize
16	17 March, 2012	B.Lakshmi Bhargavi , M.N.Padma pavithra,	Debugging	Sri Sai College of IT & Management, KADAPA	First Prize
17	17 March, 2012	B.Lakshmi Bhargavi , M.N.Padma pavithra,	Technical quiz	Sri Sai College of IT & Management, KADAPA	First Prize
18	17 March, 2012	B.Lakshmi Bhargavi & M.N.Padma pavithra	Paper presentation	Sri Sai College of IT & Management, KADAPA	First Prize

Academic year 2010-11					
19	20 th Dec,2010	S.Girish	National Level Paper Presentation	Sri Venkateswara Engineering College, Chittoor	Second Prize
20	28 th Oct,2010	Gopala Krishnan, Srikanth, Girish , Gowthami	National Level Tgmc-2010, Online job portal(Project)	IBM,Great Mind Challages-10, Bangalore	First Prize



20. Seminars/ Conferences--/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Name of the Program	Title of the Workshop/conference	Date	No. of Participants	Source of Funding	Resource Persons	Chief Guest & Address
2015-16						
Graduates Meet	Crescendo	12 December 2015	771	College Management	-	Dr.C.Yuvaraj, Prinicpal,MIT S
2014-15						
National Level Technical Symposium	INNOWIZ-2k15	18th March, 2015	40	College Management	Dr. M.Usha Rani, Professor,Sri Padmavathi Mahila Visva Vidyalayam, Tirupati. Dr. G.V.Ramesh Babu, Asst.Professor , S.V.Universit y, Tirupati.	Dr.S.Viswana dhaRaju, Professor, JNTUH, Hyderabad
Graduate's Meet	CRESCENDO-2015	3rd January, 2015	400	College Management	--	Mr. H.A.Jaya Simha, Human Resources Trainer and Motivational Speaker, Bangalore.
2013-14						
National level Technical Symposium	MCA - MITS - 2K14	13th March, 2014	30	College Management	Dr. M.Nagendra Associate Professor, Dept. of CST,	Prof. B.Satyanarayana, Chairman – BOS,Dept. of Computer



						S.K.University, Anantapur Mr. M.Chandrasekhar, Project Manager, Accenture, Hyderabad.	Science & technology, Sri Krishnadevaraya University. Anantapur.
2012-13							
National level Technical symposium	Ubiquitous computing - MITS 2k13	8th February, 2013	60	College Management	Dr C.Sobha Bindu, Head of CSE Department, JNTUA, Anantapur and Dr K.Madhavi Assistant Professor, CSE Department, JNTUA, Anantapur	Dr S,Jyothi, Professor & Head, Computer Science Department, Sri Padmavathy Mahila Visva Vidyalayam, Tirupati	

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
M.C.A					
2009-12	50	33	17	90.9	100
2010-13	55	36	19	91.66	100
2011-14	59	36	23	94.44	100
2012-15	54	36	18	91.66	100
2013-16	51	38	13	86.84	100
Direct 2nd Year M.C.A					
2014-16	41	27	14	97	100



22. Diversity of Students :

Name of the Course (refer question no. 2)	% of Students from the College	% of students from the state	% of students from other States	% of Students from other Countries
M.C.A	NIL	100	NIL	NIL
M.C.A (Direct 2 nd Year)	NIL	96	04	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :

S.No	Type of Competitive Exam	No. of Students Qualified
1	APSET	02
2	IBPS	15
3	Group-II	01
4	Group-IV	01

24. Student progression:

Student progression	Percentage against enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
Employed					
• Campus selection	45.10	29.09	0	20.37	85.87
• Other than campus recruitment	39.22	50.91	67.80	55.56	1.09
Entrepreneurship/Self-employment	--	--	--	--	--

25. Diversity of staff

Percentage of faculty who are graduates	
Of the same Parent University	25.00%
From other universities within the state	28.57%
From other universities from other states	46.42%



27. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

S.No	Name of the faculty	Ph.D. Thesis Title	Month & Year of awarded	University
2015-16				
01	Dr. S. G Shrinivas	Efficient Web Traffic Mining Models for the Extraction of Web Spatio Temporal Data	April 2016	Anna University, Chennai.
2014- 15				
01	Dr.Ganala Santoshi	Some Efficient Mobile Sensor Node Traversal Algorithms	January 2015	NITK,Surathkal.

28. Present details about infrastructural facilities:

- a) Library : Volumes of Books:70
- b) Internet facilities for staff and students: Wi-Fi with **100 Mbps**
- c) Total number of class rooms: 06
- d) Class rooms with ICT facility : 06
- e) Students laboratories : 04

1. Programming Lab

- (a) Programming to Python Practical
- (b) Data Structures Using C++ Practical
- (c) Design and Analysis Practical
- (d) Java Programming Practical
- (e) Web Technology through Java Practical
- (f) Web Programming through PHP Practical

2. Data bases Lab

- (a) Database Management Systems Practical
- (b) Advanced Database Management Systems Practical
- (c) Data Warehousing & Data mining Practical
- (d) Big Data and Analytics Practical

3. Software Engineering & Networks Lab

- (a) Unified Modeling Language Practical
- (b) Networks Practical
- (c) Network Programming Practical through C++

4. Linux Lab

- (a) Office Automation Practical
- (b) Unix and Shell Programming Practical



- (c) Mobile application Development Practical using Android
- (d) Operating Systems Practical

f) Research laboratories: Databases Laboratory

29. Number of students of the department getting financial assistance from College. : NIL
 30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, Duration of Conventional M.C.A Program is 3 years. Department started 2 year M.C.A Program which can support students with B.Sc/B.C.A Degree in 2014. It is also recognized and marketed by AICTE New-Delhi.

31. Does the department obtain feedback

d. Faculty on curriculum as well as teaching learning evaluation? If yes, how does the department utilize it?

Faculty of the department are shown their active participation and involvement in the designing of curriculum. Along with curriculum design, an expert suggestions are also provided to ensure the teaching-learning evaluation methods. Faculty members are always eagerly shown their interest to modify the curriculum in accordance to meet in industry demands.

e. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

YES

Feedback documents are attached as proof.

f. Alumni and employers on the programmes and what is the response of the department to the same?

YES

32. List the distinguished alumni of the department.

S.No	NAME	Designation	Company /Working technology	Phone No
1.	Narayana Reddy	Java Developer	Azuga Telematics Pvt Ltd, Bangalore	8095248604
2.	Gurunath	Software Engineer	Exilant Technologies Pvt Ltd, Bangalore	9066733986
3.	Bhargavi	Software Engineer	TechMahindra, Bangalore	9972959394
4	Gayasuddian	Programmer	SAP Labs,Bangalore	7382291770
5	Padma Pavithra	Process Executive	Infosys	9886109438
6	Raja Reddy	Programmer	Informatica	8970932944
7	Sudhakar	Programmer	Informatica	8985475476
8	Tharak Rama Rao	Senior Software Engineer	Harman,Connected Services, Bangalore	7829589817



9	Sunil	Software Engineer	L&T Infotech, Navi Mumbai	9619907345
10	Naresh Kumar Reddy.B	Developer	TCS	8095147673
11	Hemadri Reddy	Developer	Accenture	9916893059
12	JaiprathapReddy.M	Developer	CGI	9533258760

33. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

2015-16						
S.No.	Name of the Program	Title of the Workshop / Presentation	Date	No. of Participants	Resource Person	Chief Guest & Address
1.	Workshop	GlobalEdify Launchpad Program	25-04-16 to 30-04-16	37	Mr. Arun& Mr. Likith (PRATIAN TECHNOLOGIES, Bangalore)	Dr. C.Yuvaraj, Principal, MITS
2.	Workshop	Hands on Training on JAVA, PHP & MySQL	22-02-16 to 26-02-16	100	Mr. R. Mahalingam, Android App Developer, MIT Technologies, Karur, Tamilnadu,	-
2014-15						
1.	Guest Lecture	Importance of Python in Software Development	10-10-14	25	Dr. JayanthKirtane, MSEE (CS), Ph.D (CS), Pensilvania State University	Dr. JayanthKirtane, MSEE (CS), Ph.D (CS), Pensilvania State University
2013-14						
1.	Workshop	Placements, Employability, Situation and Teaching Learning	19-03-14 to 20-03-14	120	Dr. Sailaja, Asst. Commissioner, Prohibition and Excise	Dr. GhantaSyubba Rao, President, - IEG, Govt. of Hyderabad.



						<p>Prof. T.Sreenivasulu Reddy, Asso. Prof, School of IT, JNTUH.</p> <p>Mr. Ramesh, NBN, Chief Training Officer, Open KITE</p>
2.	Guest Lecture	Computational Modelling & Knowledge Technologies	12-11-13	30	Prof. AmbujaSalgaonker, Professor & Chairperson, BOS, Dept. of CSE, University of Mumbai	-
3.	Guest Lecture	.NET Technologies	30-10-13	60	Mr. A.MaheshBabu, Sathya Technologies, Hyderabad	-
4.	Workshop	Emerging Trends In Quality Education- The Road Ahead	08-06-13	125	Dr. Ramacharla Pradeep Kumar, Prof & Head, Earthquake Engg. Research Centre, IIT Hyderabad	Dr. S.RatnaKumari, Vice Chancellor, Sri PadmavathiMahilaVisvavidyalayam, TPT.

34. List the teaching methods adopted by the faculty for different programmes.

Besides the regular mode of black board teaching, faculty uses the following latest technologies and facilities in imparting the required subject knowledge more clearly and giving more emphasis on the application / design / analysis part of the subject.

- Presentation of NPTEL, MIT, etc. video lectures and internet based information.
- Using e-learning resources.
- Using the software for modeling , analysis and solution of real world problems.
- MOOCs offered by premier institutes.
- The students are encouraged to use open educational resources like NPTELetc . to



supplement the text book teaching. Many assignments require students to use this type of material.

- In the college library, Digital Library has been established to provide access to the e-books and e-learning resources to the students.
- Project based Learning:
Some of the students are encouraged and guided by the subject teachers to take up mini projects related to the subjects.
- Faculty who are pursuing Ph.D. program associate few interested students in their area of research work and together conduct experiments and carry out analysis to write and present technical papers.
- Learning by interaction with Experts:
Expert lectures are arranged by the industry / subject experts on some Research areas.

35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Department continuously monitors the students activities with respect to academic results, internships, placements and higher studies. It also keeps a close contact with alumni, in house faculties, senior faculty members of other academic institutes and industry experts for enhancing the programme.

35. Highlight the participation of students and faculty in extension activities.

❖ **Engaging in social service activities in nearby villages through NSS.**

<u>2016-2017</u>								
S. No	Date	Event Name	Objective of the Program	Remarks	No of persons visited benefited	Number of Students Participated (MCA)	List of Students	
							Register Number	Student Name
1	29/09/16	Blood Donation Progra	Save the Life of people	Rotary Club & Indian Red	181	07	1. 16691F0016 2. 16691F0014 3. 16691F	1.P.Madhusudhan reddy 2. C.Kesava reddy



		m		Cross Society Bangalore			0035 4. 16691F0007 5. 16691F0022 6. 16691F0028 7. 16691F0031	3.K.Sunilreddy 4.Dileepreddy 5. V.Naresh 6. Ravikumar 7.B.Somasekar
<u>2015-2016</u>								
1	2/10/15	Swachha Bharat Gandhi Jayanti	Clean & Green	Staff , Principal appreciated	70 students participated	02	1. 14691F0018 2. 14691F0034	1.L.N.N Prasad reddy 2. K. Sudhakar
2	14/11/15	Swachha Bharat Anniversary	Clean & Green	Appreciation received from the Principal & Mgmt	100 Students attended the program & Campus cleaned	02	1. 15699F0041 2. 15699F0013	1.Y. Sathish 2.S. Goutham

❖ **Participating in Inter University Matches in sports and games .**

INTER UNIVERSITY MATCHES –UNIVERSITY REPRESENTATIVES

S. N O	YEAR	NAME OF THE STUDENT	DEPT	EVENT NAME & GAME	EVENT ORGANIZERS	ACHIEVEMENTS
1	2012-13	B.Janardhan	II MCA	JNTUA Inter university cricket	Manipal University	Participation
2	2013-14	B.Janardhan	III MCA	JNTUA Inter University Cricket	Pondicherry University	JNTUA Captain & Participation
3	2013-14	T.Azeemuddin	II MCA	JNTUA Inter University, Volley Ball	SRM University, Chennai	Participation

36. Give details of “beyond syllabus scholarly activities” of the department. :

Students are provided following scholarly activities:

1. Technical Training
2. Seminar hours
3. Communication skills & personality Development.
4. Internet facility.
5. Digital library
6. Work Shop/Conference /Seminar
7. Sports
8. NSS

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

NIL

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

- With Professional/Research experience
- Infrastructure/laboratories/Softwares/Hardwares.
- Innovative and professional society appraised PG Programs.

Weakness:

- Communication level of students.
- Absence of computer literacy and Hi-Fi ambiance.

Opportunities:

- Surrounded by IT oriented cities.
- Professional opportunities for students.
- Emphasis on E related activities.

Challenges:

- Competitions from contemporary institutes.
- Ruthless companies.

39. Future plans of the department.

- To develop and establish Research Center on recent technologies like
Big data analytics
Cloud computing
Data warehousing and Mining &
Robotic sensor networks
- To bring National/International funded projects.
- Faculty with 100% Doctorates

Evaluative Report of the Department of Humanities

1. Name of the Department & its year of establishment-
Department of Humanities & 1998
2. Names of Programmes / Courses offered – NA
3. Interdisciplinary courses and departments involved – NA
4. Annual/ semester/choice based credit system- Semester
5. Participation of the department in the courses offered by other departments :

S.No.	Name of Course	Subject code	Year & Semester	Departments offered
1	Principles of Economics	14HUM101	B.Tech-II Year I Sem	ECE, EEE, CSE, ME and Civil
2	Principles of Management	14HUM102	B.Tech-II Year II Sem	ECE, EEE, CSE, and Civil
			B.Tech-III Year I Sem	ME
3	Entrepreneurship Development (Audit Course)	14HUM301	B.Tech-II Year I Sem	CSE, ME and Civil
			B.Tech-II Year II Sem	ECE and EEE
4	Introduction to IPR(Audit Course)	14HUM302	B.Tech-II Year I Sem	CSE, ME and Civil
			B.Tech-II Year II Sem	ECE and EEE
5	Managerial Economics and Financial Analysis	9AHS401	B.Tech-IV Year I Sem	CSE
			B.Tech-III Year I Sem	CSE and EEE
			B.Tech-III Year II Sem	ECE and ME
6	Management Science	13A52601	B.Tech-IV Year I Sem	ECE



			B.Tech-IV Year II Sem	CSE
7	Industrial Management and Engineering	13A03801	B.Tech-IV Year I Sem	ME
8	Accounting and Financial Management	14HUM403	MCA-II Year	MCA
9	Financial Accounting For Managers	14E00104	DMCA –II Year	MCA

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professor	01	01
Associate Professor	00	0
Assistant Professor	10	10

7. 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.R.Thulasi Ram Naidu	M.Com.,Ph.D.	Professor andAssociate Dean-R&D	Banking	36	-
2	Dr.K.S.Srinivasa Rao	M.Com., B.Ed.,M.B.A., M.Phil.,Ph.D.,	Assistant Professor	Finance	25	-
3	Dr. N. VenkataRamana	M.Com, M.B.A, SLET, Ph.D	Assistant Professor	Accounting and Finance	15	-
4	Dr.PrashantGupta	M.B.A., NET,Ph.D.,	Assistant Professor	Marketing &Logistics	13	-
5	Dr.K.Nagaraj	M.B.A., NET, SLET,Ph.D.,	Assistant Professor	Marketing	3	-



6	Dr.SreeCharan	M.B.A., Ph.D.,	Assistant Professor	Human resource management	11	
7	Mrs. S.Chandrakala	M.B.A.,	Assistant Professor	HR and Finance	7	-
8	Mr.J.Praveen Kumar	M.B.A.	Assistant Professor	HR and Marketing	6	-
9	Mr. B. Giri Prasad	M.B.A.	Assistant Professor	Finance & Marketing	5	-
10	Mr. G. Naresh	M.B.A.	Assistant Professor	Finance & Marketing	3	-
11	Mr. G. Venkatamuni	MHRM	Assistant Professor	HR	10	

8. Percentage of classes taken by temporary faculty – programme-wise information : Nil

9. Programme-wise Student Teacher Ratio-15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled –

Designation of the support staff	Sanctioned	Filled
Attender	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise :Nil

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received Nil

13. Research facility / centre with

State recognition- Andhra Pradesh State Skill Development Center (www.appsc.in)

- o National recognition – Registered as Scientific & Industrial Research Organization by DSIR and DST.
- o international recognition **Nil**



14. Publications:

Number of papers published in peer reviewed journals (national / international)-
65(National -23 and International-42)

- * Monographs - **Nil**
- * Chapter(s) in Books **Nil**
- * Editing Books **Nil**
- * Books with ISBN numbers with details of publishers:**02**

S.No	Year	Name of the Book	Publisher	ISBN No.
1	April 2013	Merchant Banking & Financial Services	AEPH, Bangalore	979-93-83241-02-06
2	June 2015	Socio Economic Analysis of Handloom Industry in Andhra Pradesh	AEPH, Bangalore	979-93-83241-98-09

- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -**NIL**
- * Citation Index – range / average - **NIL**
- * SNIP –**NIL**
- * SJR -**NIL**
- * Impact factor : **NIL**
- * h-index -**NIL**

15. Details of patents and income generated -**NIL**

16. Areas of consultancy and income generated -**NIL**

17. Faculty recharging strategies-**NIL**

18. Student projects -**NA**

19. Awards / recognitions received at the national and international level by Faculty : **4 (National awards)**

Sl.No	Name of the faculty	Name of the Award	Organisation	Place	Year
1		Teacher Achiever Award	Navraj Educational and Charitable Trust	Coimbatore	2016



2	Dr. K. SrinivasaRao	Outstanding Faculty Award	Venus International Foundation	Chennai	2015
3		Best Citizen Award	Citizen Welfare Forum, Srikalahasthi	Srikalahasthi	2014
4		Best Teacher Award	Lion’s Club	Hyderabad	2010

Doctoral / Post-doctoral fellows: **NIL**
 Students : **NIL**

- 20. Seminars/ Conferences/Workshops organized and the source of funding (national / International) with details of outstanding participants, if any: **NIL**
- 21. Student profile course-wise: **NA**
- 22. Diversity of Students :**NA**
- 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? **–NA**
- 24. Student progression **–NA**

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	-
Entrepreneurs	-



25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	7.15%
from other universities within the State	64.28%
from other universities from other States	28.57%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Sl.No	Name of the faculty	Ph.D. awarded University	Year of award
1	Dr.K.S.Srinivasa Rao	Osmania University	2012
2	Dr.Prashant Gupta	Devi Ahilya University	2015
3	Dr.SreeCharan V.	S.V.University	2015
4	Dr.K.Nagaraju	S.K.UNIVERSITY	2015
5	Dr. N Venkata Ramanna	S.V.University	2016

27. Present details about infrastructural facilities

Library : NA

Internet facilities for staff and students : Wi-Fi connectivity with a bandwidth of 100mbps

Total number of class rooms : NA

Class rooms with ICT facility : NA

Students' laboratories : NA

Research laboratories : NIL

28. Number of students of the department getting financial assistance from College. –**Nil**

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **NA**

30. Does the department obtain feedback from

d. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? - **NA**

e. Students on staff, curriculum as well as teaching-learning-evaluation and



what is the response of the department to the same? - NA

- f. Alumni and employers on the programmes and what is the response of the department to the same? -NA

31. List the distinguished alumni of the department (maximum 10) - NA

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. -Nil

33. List the teaching methods adopted by the faculty for different programmes.

- **Lecture Method**
- **Interactive Method**

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

NA

35. Highlight the participation of students and faculty in extension activities.

Students and faculties actively participate in all the extracurricular activities such as NSS programs, Engineers Day celebrations, Speaking English campaign and Refresher course for teaching and Non-teaching faculty

36. Give details of “beyond syllabus scholarly activities” of the department. –NA

37. State whether the programme/ department is accredited/ graded by other agencies. Give details. :NA

38. Details any five Strengths, Weaknesses, Opportunities & Challenges (SWOC) of the department.

STRENGTHS:

- Diligent & Committed faculties.
- Harmony among faculties to work for the common goal.
- Department is extensively using open source content management system (Moodle)

WEAKNESS:

- Need for improvement of infrastructure.
- Increase in the higher number of faculty with doctorates.



OPPORTUNITIES:

- Develop the program to create awareness on finance among rural youth.
- To train employable skills for rural youth.
- An effort for better research work. To make student ‘corporate ready’ by developing their managerial skills.
- Scope for imparting training, consultancy and education in the Economics and Management disciplines to the outside world

CHALLENGES:

- Students with diverse background with diverse needs.
- Rapid changes in technology leading to ever increasing gap between academics and industrial requirements.

39. Future plans of the department.

- Recognized Research Centre status for department.
- Funded research projects.
- Quality research publications and books

Evaluative Report of The Department of English & Foreign Languages

- Name of the Department & its year of establishment
Department of English & 1998
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Ph.D – Programme
Certificate Course in Foreign Languages
- Interdisciplinary courses and departments involved: NA
- Annual/ semester/choice based credit system: **Semester**
- Participation of the department in the courses offered by other departments:

1	Functional English	14ENG11T01	B.Tech I Year I SEM	EEE , ME,CSE,ECE and CIVIL
2	Technical Report Writing	14ENG12T02	B.Tech I Year II SEM	EEE , ME,CSE,ECE and CIVIL
3	Creative Writing	14ENG302	B.Tech II Year I SEM	ME,CSE,CIVIL
		14ENG302	B.Tech II Year II SEM	ECE ,EEE
3	Effective Public Speaking	14ENGAU01	B.Tech-II Year I SEM	ME,CSE,CIVIL
		14ENGAU01	B.Tech-II Year II SEM	ECE , EEE
4	Phonetics	14ENG103	B.Tech-III Year I SEM	ME,CSE,CIVIL
		14ENG103	B.Tech-III Year II SEM	ECE , EEE
5	English For Communication	14MCA11T01	MCA-I YEAR I SEM	MCA
6	Japanese	14EFL101	UG & PG	All branches
7	German	14EFL102	UG & PG	All branches
8	Spanish	14EFL103	UG & PG	All branches

- Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	01	01
Associate Professors	01	01
Asst. Professors	18	18



7. 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.G.Hampamma	Ph.D.	Professor	Indian Literature	23 years	-
2	Dr.Akhil Kumar Jha	Ph.D	Sr.Asst.Prof	ELT	22 years	-
3	Dr. V.R. Sitara	Ph.D	Asst.Prof	Psychology	05 years	-
4	Dr. B. Rasheeda Begum	Ph.D.	Asst.Prof	American Literature	15 years	-
5	Dr. M.Vishnu Priya	Ph.D	Asst.Prof	African Literature	09 years	-
6	Dr. S. ShanmugaPriya	Ph.D.	Asst.Prof	Common Wealth Literature	07 years	
7	Dr. Parul Saxena	Ph.D	Asst.Prof	Cultural Studies	06 years	
8	Dr.K.Lakshmi Devi	Ph.D.	Asst.Prof	American Literature	06 years	-
9	Dr. R. Saravanan	Ph.D	Asst.Prof	Indian Writing	09 years	-
10	Dr. A. Madhu Sudhan Rao	Ph.D	Asst.Prof	Post-Colonial Literature	10 years	
11	Dr. R. Rushula Devi	Ph.D.	Asst.Prof.	American literature	05 years	-
12	Dr.S. BajiVali	Ph.D	Asst.Prof	ELT	15 years	
13	Mrs. P.	M.A., M.Phil.,	Asst.Prof.	Afro – American	16 years	-



	AtharSamina Khan	(Ph.D.)		literature		
14	Mrs. M.R. Indumathi	M.A., M.Phil., (Ph.D.)	Asst.Prof.	Indian literature	13 years	-
15	Mrs. M.Parvathi	M.A., (Ph.D.)	Asst.Prof.	Indo – American literature	20 years	-
16	Mrs.T.D. Ashwini	M.A.	Asst.Prof	English Literature	04 years	-
17	Mr. Pranav Kishore	B.A., JPLT -2	Asst.Prof	Japanese Trainer	05 years	-
18	Mr. P.M. Subair	M.A.	Asst.Prof	German Trainer	04 years	-
19	Mr. Hamid Hussain K.T	M.A., M.Phil	Asst.Prof	Spanish Trainer	09 years	-
20	Dr. Joel Saripalli	M.A.,Ph.D	Assoc.Prof	Linguistics	15 years	

8. Percentage of classes taken by temporary faculty – programme-wise information NA

9. Programme-wise Student Teacher Ratio –15:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled : NA
11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

UGC MINOR RESEARCH PROJECTS : 01 (on going)

AMOUNT: RS. 300000- (Three Lakhs only)

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Rs	Incentives / Rs
-------	---------------------	------------------------------------	---------------	--	-----------------------	-----------------



1.	Mrs. M.R. Indumathi	MRP-6144/15(SE R/UGC)-Jan 2015	Effective Usage of Technology in Imparting Career skills for Academically Backward Students of Engineering	UGC-SERO, Hyderabad Jan 2015	3,00,000/-	3,00,000/-
----	---------------------	--------------------------------	--	---------------------------------	------------	------------

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; 8,25,000/-

Following Projects, worth Rs.8,25,000/- have been completed :

S. No	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Rs	Incentives / Rs
1.	Mrs. M. Parvathi	MRP-4606/14(SE R/UGC)- March 2014	Wise use of Tech in English classroom by the Professional students	UGC-SERO, Hyderabad March 2014	2,75,000/- -	2,75,000/-
2.	Mrs. K. Latha	MRP-4605/14(SE R/UGC)- March 2014	English as Tool for Enhancing Employability skills for Engineering Graduates- A study	UGC-SERO, Hyderabad March 2014	2,75,000/- -	2,75,000/-
3.	Mrs. P. AtharSamina Khan	MRP-4605/14(SE R/UGC)- March 2014	Rendition of English language in the classes of higher education: A Study	UGC-SERO, Hyderabad March 2014	2,75,000/- -	2,75,000/-

13. Research facility / centre with

- state recognition
 - (i) **Recognized as a research center by JNTUA, Ananthapuram**
 - (ii) **Recognized as Andhra Pradesh State skill development Centre**
- national recognition - Nil
- international recognition -Nil

14. Publications:

* Number of papers published in peer reviewed journals (national / International)
66 (national 29 and International 37)

a. Monographs

Yes



- b. Chapter(s) in Books NIL
- c. Editing Books NIL
- d. Books with ISBN numbers with details of publishers 06

Name of the faculty	Title of the book	ISBN no.	Year of publication	Publisher
Dr.G.Hampamma	Short Stories of Anita Desai, Jai Nimbkar and Shashi Deshpande A Study on Human Relations	9783659278402	2012	Lambert Academic publishing
Dr.S.ShanmugaPriya	Rohinton Mistry's India A Socio-political View	9783659120077	2012	Lambert Academic publishing
Dr. B.Rasheeda Begum	Aristocratic Women in Pearl S. Buck's Novels In Relevance With East Wind: West Wind And Pavilion of Women"	978365976175	2015	Lambert Academic publishing
Mrs.K.Latha	Folklore of Urumulavaru Performers of Akkamma Deity	9783659226243	2012	Lambert Academic publishing
Mrs.M.R.Indumathi	MYTH IN GIRISH KARNAD's PLAYS Hayavadana and The Fire and The Rain	9783845404806	2012	Lambert Academic publishing
Mrs.AtharSamina Khan	Expressionism in the plays of Eugene O' Neill	9783848412877	2012	Lambert Academic publishing

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

f. Citation Index – range / average : NIL

g. SNIP : NIL

h. SJR : NIL

i. Impact factor – range / average. NIL

j. h-index NIL

15. Details of patents and income generated NA

16. Areas of consultancy and income generated NA



17. Faculty recharging strategies

- Faculty members are sponsored to attend conferences and seminars within the country and abroad.
- Faculty members are encouraged to organize workshops, FDPs, seminars and conferences.
- Faculty members are provided with laptops, 4G data card and CUG sim card.
- Women faculty members are allowed to avail Maternity leave.
- Faculty members are encouraged to publish research papers in National and International journals.
- Faculty members are privileged to work on UGC and DST projects.

18. Student projects

- percentage of students who have done in-house projects including inter-departmental **NA**
- percentage of students doing projects in collaboration with industries / institutes **NA**

19. Awards / recognitions received at the national and international level by

- Faculty **NA**
- Doctoral / post-doctoral fellows **NA**
- Students **NA**

20. Seminars/ Conferences/Workshops organized and the source of funding (national i. international) with details of outstanding participants, if any. **Nil**

21. Student profile course-wise: NA

22. Diversity of Students:

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
-	-	100	-	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? **NA**

24. Student progression **NA**

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	57.14
from other universities from other States	42.86



26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Dr.S.ShanmugaPriya, Sri Padmavathi Mahila University ,Tirupati, April 2013

27. Present details about infrastructural facilities :

- a) Department Library: **Yes**, Limited references are available.
- b) Internet facilities for staff and students : **Available**
- c) Total number of class rooms : 10
- d) Class rooms with ICT facility: 10
- e) Students' laboratories: Yes (English Communication Skills Lab)
- f) Research laboratories: **NA**

28. Number of students of the department getting financial assistance from College. Details available in Administration

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **NA**

30. Does the department obtain feedback from from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Feedback information is analyzed and communicated to authorities for appropriate action.

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Well, feedback mechanism are being implemented and followed in the Institute. Collective measures are introduced through the deliberations of Bos and other appropriate academic authorities of the Institute with knowledge of authorities of the Institute

- c. Alumni and employers on the programmes and what is the response of the department to the same?

Department offers supportive courses to UG level degree programme in management & computer science appropriately.

Feedback received from alumni are appropriately attended where it is required. Specifically feedback for major or minor changes about the courses offered by the department have not been received.

31. List the distinguished alumni of the department (maximum 10)

S.No	Name of the Person
1	Ravi Shankar
2	Naga Ratna
3	Shankar Reddy
4	K.Md. Riyaz Ali
5	E.Ramesh
6	M.Lokanatha
7	K.V.Satheesh Babu

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Innovative Practices for Students:

- ✓ Extended practical sessions in multimedia lab
- ✓ Special sessions for disabled learners.
- ✓ Innovative evaluation schemes such as impromptu skills, quiz, précis writing and translation.
- ✓ Question banks and solving question paper from national and international universities

33. List the teaching methods adopted by the faculty for different programmes.

- ✓ Classroom teaching with black boards.
- ✓ Teaching aids such as ppt's/ohp
- ✓ Didactic tools for teaching
- ✓ Extended lab sessions.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

- Through academic auditing and periodic meeting by Hod with staff.
- Periodic mentoring of the colleague faculty by Hod.

35. Highlight the participation of students and faculty in extension activities.

- Faculty as well as the students ventured a campaign called “Speak English”. The aim of the campaign is to make both the Faculty and the Students to speak only in English in the campus.
- The students celebrated “Engineers’ day” to mark the birth anniversary of Er. Mokshagundam Visweshwarayya.
- Students actively participate in “blood donation camps” organized by NCC and NSS Cells.
- Faculty conduct Oration, Essay writing, Debate and Role play for the students to gain all round development.



- Students and Faculty actively take part in “Swatch Bharath” campaign in and around the town to make aware the public about “cleanliness is next to godliness”
- Students take part in the above mentioned competitions with much enthusiasm.

36. Give details of “beyond syllabus scholarly activities” of the department.

- Conducts proficiency test in English for all students of B.Tech. This kind of activity provides more percentage of placements to the students and provides support to almost all the students to face different MNCs for campus selection.
- PHOTON is conducted for I B.Tech to make them aware of the research and its relevance. This helps them to know much about their profession.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details. **NA**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTHS:

- Well qualified faculty.
- Faculty members actively engaged in research and academic activities.
- Faculty availability to handle foreign languages for employability of the students.
- Novel techniques are being employed in the teaching learning process to enhance the comprehend ability with rapidity.

WEAKNESS:

- Semi-rural location with fascination for communication in local language in daily life.
- Absence of emphasis in higher level communication courses in professional programmes.

OPPORTUNITIES:

- Surrounded by happening cities.
- Opportunities are within the reach, within existing facilities and performance levels, extended opportunities to enlarge the scope of the activities.

CHALLENGES:

- Burgeoning levels of competition from limitless directions and bottomless situations.



39. Future plans of the department.

- Innovative courses / activities related to English to enhance the quality of communication in University.
- Floating programme through teaching foreign language
- Development of innovative learning process.



Evaluative Report of Department of Mathematics

1. Name of the Department & its year of establishment: **Dept. of Mathematics & 1998**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): **Ph.D.**
3. Interdisciplinary courses and departments involved: **NA**
4. Annual/ semester/choice based credit system: **Semester System**
5. Participation of the department in the courses offered by other departments: **YES**

S. No.	Course	Year & Semester	Departments
1	Mathematics-I	I B. Tech.	EEE, ME, ECE, CSE
2	Mathematics-II	I B. Tech.	EEE, ECE, CSE
		II B. Tech. I Semester	ME
3	Mathematics-III	II B. Tech. I Semester	ECE, EEE
4	Mathematical foundations of Computer Science	II B. Tech. I Semester	CSE
5	Probability & Statistics	II B. Tech. I Semester	CSE
		II B. Tech. II Semester	ME
		I MCA I Semester	MCA
		II B. Tech. II Semester (Autonomous)	Civil, EEE, ME, ECE, CSE
6	Quantitative Techniques	MBA I Semester	MBA
7	Advanced Calculus	I B. Tech. I Semester	Civil, EEE, ME, ECE, CSE
8	Linear Algebra & Complex Analysis	I B. Tech. II Semester	Civil, EEE, ME, ECE, CSE
9	Differential Equations & Laplace Transforms	II B. Tech. I Semester	Civil, EEE, ME, ECE, CSE
10	Numerical Analysis	III B. Tech. I Semester	Open Elective
11	Optimization Techniques	III B. Tech. II Semester	Open Elective
12	Operations Research	II MBA I Semester	MBA
13	Discrete Mathematics	I MCA II semester	MCA

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	01	01
Associate Professors	-	-
Asst. Professors	12	12

7. 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.V.Rama Chandra Prasad	Ph.D.	Professor	Applied Mathematics	20 years	03
2	Dr.M.Sudhakar Reddy	Ph.D.	HOD& Assist. Prof.	Fluid Dynamics	15 years	-
3	Dr.S.GouseMohiddin	Ph.D.	Assist. Prof.	Fluid Dynamics	11 years	-
4	Dr.A.SubbaRao	Ph.D.	Assist. Prof.	Fluid Dynamics	10 years	-
5	Dr.N.Nagendra	Ph.D.	Assist. Prof.	Fluid Dynamics	10 years	-
6	Dr.K.V.N.Murthy	Ph.D.	Assist. Prof.	Stochastic Processes	15 years	-
7	Dr.R.Saravana	Ph.D.	Assist. Prof.	Fluid Dynamics	6 years	-
8	Dr.P.Kalpana	Ph.D.	Assist. Prof.	Stochastic Modeling	4 years	-
9	Dr.P.Devaki	Ph.D.	Assist. Prof.	Fluid Dynamics	5 years	-
10	Dr.B.Venkateswarlu	Ph.D.	Assist. Prof.	Fluid Dynamics	3 years	-
11	Dr.P.Ramesh Reddy	Ph. D.	Assist. Prof.	Factor Analysis	15 years	-
12	Dr. P. Ramakrishna	Ph. D.	Assist. Prof.	Ring Theory	3 years	-
13	Dr. P. Rajendra	Ph. D.	Assist. Prof.	Mathematical Modeling	11 years	-

8. Percentage of classes taken by temporary faculty – programme-wise information: **NIL**

9. Programme-wise Student Teacher Ratio: **15:1**

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: **TWO**

	Sanctioned	Filled
Academic & Administrative Staff	1	1
Attender	1	1



11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

(a) National Funding Agencies

S.No.	Name of the Faculty	Sanctioned Letter Number with date	Project Title	Project Grant Sanctioning Agency & Date of Sanction/Proposal	Sanctioned Amount/ Proposal	Status
1.	Dr.S.Jeelani Begum	MRP-4612/14(SER/UGC)-March 2014	A Study on some Domination Parameters of Quadratic Residue Cayley Graphs.	UGC-SERO,Hyderabad March 2014	Rs. 3,00,000/-	Completed
2.	Dr.S.Jeelani Begum	Ref.No. SR/WOS-A/MS-07/2014(G) Dated: 12.05.2015	Some Studies On Domination Parameters of Cayley Graphs	DST New Delhi/12.05.2015	Rs. 26,40,000/-	Ongoing
3.	Dr.A.Subbarao	MRP-4613/14(SER/UGC)-March 2014	Thermal Radiation Effects on a non-Newtonian Oldroyd-B nano fluid from a stretching sheet in a non-Darcy porous medium.	UGC-SERO, Hyderabad March 2014	Rs. 3,20,000/-	Completed
4.	Ms. K. Madhavi	SR/WOS-A/MS-09/2014(G)date d17.07.2015	Computational analysis of boundary layer of non-Newtonian fluids in porous media	DST New Delhi/18.09.2014	Rs. 20,30,000/-	Ongoing
5.	Dr. K.V.N. Murthy	MRP-SERO	Stochastic Modeling of Seasonal and Annual Rainfall Patterns in Rayalaseema Region	UGC-SERO, Hyderabad March 2016	Rs. 2,80,0000/-	Ongoing

(b) International Funding Agencies: Nil

(c) Total grants received: Rs. 55,70,000/-



12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc., total grants received:
NIL

13. Research facility / centre with

- o State recognition: **YES**
- o National recognition
- o International recognition

14. Publications:

* Number of papers published in peer reviewed journals (National / International): **160**

- a. Monographs **03**
- b. Chapter(s) in Books **NIL**
- c. Editing Books **NIL**
- d. Books with ISBN numbers with details of publishers: **12**

S. No.	Name of Faculty	Title of the Book's	Publisher	Year & ISBN No.
1	Dr. V. Rama Chandra Prasad	Radiation effects on convective flow past a vertical plate: Radiation and mass transfer effects on convective flow past a vertical plate	Lambert Academic Publishing, Germany	Year: 2010, ISBN-10:3838392515. ISBN-13:978-3838392516
2	Dr. V. Rama Chandra Prasad	Thermo-Diffusion and Diffusion-Thermo Effects on Boundary Layer Flows	Lambert Academic Publishing	Year: 2011, ISBN-13:978-38344397451
3	Dr. V. Rama Chandra Prasad	Walters-B Viscoelastic Flow Past a Vertical Palte: Numerical Study of Unsteady Free Convective Heat and Mass Transfer in a Walters-B Viscoelastic Flow Past a Vertical Plate	Lambert Academic Publishing, Germany	Year: 2012, ISBN-10: 3659218383 ISBN-13: 978-3659218385
4	Dr. S. Gouse Mohiddin	Computational Fluid Dynamics	Lambert Academic Publishing	Year: 2011, ISBN: 9783844396935
5	Dr. S. Gouse Mohiddin	Qualitative Regression Models	Lambert Academic Publishing	Year: 2011, ISBN: 9783846543511
6	Dr. S. Jeelani Begum	Graph Theory: Some Studies On Dominating Functions Of Quadratic Residue Cayley Graphs	Lambert Academic Publishing, Germany	Year: 2011, ISBN: 9783846503690
7	Dr. S. Jeelani Begum	Graph Theory: Dominating Functions Of Divisor Cayley Graphs	Lambert Academic Publishing, Germany	Year: 2012, ISBN: 9783659171321
8	Dr. N. Nagendra	Studies on Peristaltic Transport of Bio fluids	Lambert Academic	Year: 2012, ISBN: 978-3-



			Publishing, Germany	8454-3111-6
9	Dr. K.V. N. Murthy	A Stochastic Approach for the Determination of Share Prices	Lambert Academic Publishing, Germany	ISBN 978-3-659-45576-6
10	Dr. M. Sudhakar Reddy	Peristaltic Transport Problems	Lambert Academic Publishing	Year: 2012, ISBN-10: 3845430683
11	Dr. A. Subba Rao	Heat Transfer Effects in a non-Newtonian fluid with partial slip	Scholars Press	Year: 2015, ISBN – 978-3-639-76154-2
12	Dr. P. Rajendra	Electrolyte Solution-Mathematical Model	Lambert Academic Publishing	Year: 2016, ISBN – 978-3-659-96829-7

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

- Citation Index – range / average : 3-785/83.00
- SNIP : 0.413-1.843/ 2.615
- SJR : 0.123-1.749/ 1.737
- Impact factor – range / average : 0.367-5.31/5.754
- h-index : 1-18/3.00

15. Details of patents and income generated : **NIL**

16. Areas of consultancy and income generated : **NIL**

17. Faculty recharging strategies : **YES**

- Faculty are encouraged and sponsored to attend national/international workshops, conferences and faculty development programmes with financial assistance.
- Training programmes, workshops on advanced methodologies and OBE.
- Provided free SIM card, dongle and daily newspapers to all the doctorates.
- Staff seminars are arranged to deliver and share innovative ideas.

18. Student projects

- Percentage of students who have done in-house projects including inter-

Departmental: **NIL**

- Percentage of students doing projects in collaboration with industries / institutes:

NIL



19. Awards / recognitions received at the national and international level by

- Faculty **01**
- Doctoral / post-doctoral fellows **NIL**
- Students **01**

S. No.	Date	Name of the Faculty/Student	Name of the Award	Award received from Agency
1	12.05.2015	Dr. S. Jeelani Begum	Women Scientist	DST, New Delhi
2	18.09.2014	Ms. K. Madhavi	Women Scientist	DST, New Delhi

20. Seminars/ Conferences/Workshops organized and the source of funding (National /International) with details of outstanding participants, if any:

Department of Mathematics organized two day workshop on “Research Methodologies & LATEX” during 21st - 22nd February, 2015 under TEQIP-II.

21. Student profile course-wise:

Academic year	Name of the Course (refer question no. 2)	Applications Received	Selected		Pass Percentage	
			Male	Female	Male	Female
2013-2014	Ph. D.	JNTUA	02	01	Pursuing	Pursuing
2014-2015	Ph. D.	JNTUA	03	02	Pursuing	Pursuing

22. Diversity of Students : NA

Name of the Course(Refer questionNo. 2)	% of students from the college	% of Students from the State	% of students from other States	% of students from other countries
-	-	100%	-	-

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NA

24. Student progression: NA

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	



Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	
Entrepreneurs	

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	92.30%
from other universities from other States	7.70 %

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: **08**

S. No.	Name	Year
1	Dr. R. Saravana	2013
2	Dr. P. Devaki	2013
3	Dr. P. Kalpana	2014
4	Dr. B. Venkateswarlu	2014
5	Dr. A. Subba Rao	2014
6	Dr. P. Ramakrishna	2015
7	Dr. P. Ramesh Reddy	2016
8	Dr. P. Rajendra	2016

27. Present details about infrastructural facilities :

- Library : **Yes**
- Internet facilities for staff and students : Wi-Ficonnectivity with a bandwidth of 100mbps
- Total number of class rooms : **NA**
- Class rooms with ICT facility : **Yes**
- Students’ laboratories : **NIL**
- Research laboratories :MATLAB, NAG& Fortran
Software’s Available

28. Number of students of the department getting financial assistance from College:

08 Research Scholars

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **YES**

The following procedure is adopted before introducing new program:

- a. Analysis on the available infrastructure & technical resources
- b. Availability of the faculty with particular specialization
- c. Available library resources to support a new program
- d. The facilities for students to support a high quality program
- e. Job opportunities available

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
➤ Yes, feedback is collected and analyzed. Necessary measures are taken to improve the syllabus.
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
➤ Yes, students feedback on staff members and teaching-learning- evaluation are obtained twice in a semester. Necessary actions are taken for modification of syllabus.
- c. Alumni and employers on the programmers and what is the response of the department to the same?

NA

31. List the distinguished alumni of the department (Maximum 10): **NA**

32. Give details of student enrichment programmers (special lectures / workshops / seminar) with external experts. **Yes**

- Department has been conducting PHOTON- a student symposium, since 2011.
- Guest lectures are arranged for the students from eminent personalities of various reputed institutions/universities.



33. List the teaching methods adopted by the faculty for different programmers.

- lecture method with black board
- seminars
- Assignments
- Presentations with ICT
- Tutorials
- Quizzes

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? **YES**

The department has a specific plan of teaching methodology for the program outcomes to be met by the course outcomes. Application oriented problems are concentrated for the programmes. Students are made to involve in writing practical applications of the course through assignments. Frequent motoring on the teaching techniques is done by the head. Necessary actions are taken for making the CO's and PO's to be met which is shown in File No. MITS/MATHS/FL-016.

35. Highlight the participation of students and faculty in extension activities:

- NSS activities such as blood donation, health checkup, registration of voters etc.
- Students and faculty are participated in college functions like Ashav, Orientation programme, Annual day etc.

36. Give details of “beyond syllabus scholarly activities” of the department.

- Inter-college quiz competitions
- Students and faculty are participated in seminars/conferences/workshops/training Programs.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details: **NA**

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTHS:

- Well qualified, dedicated and experienced faculty.
- Good research publications in various reputed journals with high impact factor.
- Excellent infrastructure & equipment.
- Recognized research centre by JNTUA
- Good number of projects from DST/UGC.

WEAKNESSES:

- Poor communication skills of students
- Organization of conferences/workshops
- Provide career opportunities through funded projects

OPPORTUNITIES:

- Collaborative Research work
- Consultancy

CHALLENGES:

- The mathematical skills among students should be encouraged to do mathematical modeling problems.
- Creating Research orientation among the student fraternity

39. . Future plans of the department:

- Establishment of computational research laboratory with advanced software.
- More projects from various funding agencies.
- Conduct international conferences on application of Mathematical models in engineering fields.
- To start P.G. programmes in Mathematics.

Evaluative report of Department of Physics

1. Name of the Department & its year of establishment **Dept. of Physics&1998**
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
Ph.D – Thrust Areas of Physics
3. Interdisciplinary courses and departments involved **01**
Course: Electronic Devices (14EEE105) in EEE and (14ECE103) in ECE III Semester
4. Annual/ semester/choice based credit system **Semester system**
5. Participation of the department in the courses offered by other departments

S.No	Course	Programme	Department
1.	Engineering Physics	I B. Tech I Sem	Civil, EEE, ME
		I B. Tech II Sem	ECE and CSE
2.	Engineering Physics Practical	I B. Tech I Sem	Civil, EEE, ME
		I B. Tech II Sem	ECE and CSE
3.	Electronic Devices	II B. Tech I Sem	ECE & EEE

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

S.No.		Sanctioned	Filled
1.	Professors	0	0
2.	Associate Professors	1	1
3.	Asst. Professors	14	14

7. 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 Teaching Experience	No. of Ph.D., Students guided for the last 4 years
1.	Dr. K. Upendra Kumar	M.Sc., Ph.D.,	Assistant Professor	Spectroscopy, Nano Science and Nano	03 years	Nil



				Technology		
2.	Dr. S. Victor Vedanayakam	M.Sc., B.Ed., Ph.D.,	Assistant Professor	Materials Science and Electronics	13 years	Nil
3.	Dr. Sumit Kumar	M.Sc., Ph.D.,	Assistant Professor	Theoretical High Energy Physics	02 years	Nil
4.	Dr. G. Gopi Krishna	Ph.D.,	Assistant Professor	Atomic and Molecular Physics	06 years	Nil
5.	Dr. M. Chandra Sekhar	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Vacuum Science and Thin Film Technology	05 years	Nil
6.	Dr. B. Jagadeesh Babu	M.Sc., Ph.D.,	Assistant Professor	Thin Films for Solar Cells and Photocatalytic Applications	02 years	Nil
7.	Dr. V. K. Verma	M.Sc., M.Tech., Ph.D.,	Assistant Professor	Multiferroic materials, Magnetic materials and Solar cells	04 years	Nil
8.	Dr. K. Kamakshi	M.Sc., Ph.D.,	Assistant Professor	Optical fibre designs for amplifiers and Sensors	03 years	Nil
9.	Dr. N. Nanadakumar Reddy	M.Sc., M.Phil., Ph.D.,	Assistant Professor	Studies on III - V Compound Semiconductors	08 years	Nil
10.	Dr. Harish Sharma Akkera	M.Sc., MTech., Ph.D.,	Assistant Professor	Functional Nanostructured Thin Films	04 years	Nil
11.	Dr. Mohan Nuthalapati	M.Sc., MTech., Ph.D.,	Assistant Professor	Material Science and Engineering	Nil	Nil
12.	Mr. J. SaravanBabu	M.Phil., (Ph.D.)	Associate professor	Solid State Physics	15 years	Nil
13.	Mrs.G.Soujanya	M.Sc., M.Phil., (Ph.D)	Assistant Professor	Photonics	06 years	Nil
14.	Mr. A. R. V. Siva Krishna	M.Sc., M.Tech.,	Assistant Professor	Instrumentation VLSI Design	03 years	Nil
15.	Ms.K.Surekha	M.Sc.,	Assistant Professor	Condensed Matter Physics	03 years	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information **NIL**

9. Programme-wise Student Teacher Ratio **N/A**



10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: **Details are in the table.**

S.No	Designation	Sanctioned	Filled
1	Attender	01	01

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: **03 – International Support, Total Grants received Rs. 1,55,000.00**

S. No	Name of the Faculty	Funding Agency	Total Grants Sanctioned
1.	Dr. V. K. Verma	TEQIP II	Rs. 55,000.00
2.	Dr. N. Nanda Kumar Reddy	TEQIP II	Rs. 50,000.00
3.	Dr. A. Harish Kumar	TEQIP II	Rs. 50,000.00
TOTAL			Rs. 1,55,000.00

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

- **DST-FIST**

Department of Science and Technology, Govt. of India has sanctioned **Rs.30,00,000/-** under scheme of “**Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2015**” (DST-I) for self-financed post-graduate departments.

13. Research facility / center with

- State recognition:

Recognized Research Center of JNTUA, Ananthapuram,

Recognized as Andhra Pradesh State Skill Development Center

- National recognition:

Recognized as Scientific and Industrial Research Organization (SIRO) by

DSIR of DSTF.No: 11/162/51/2014-TU-V and F.No:11/625/2014- TU-V

- International recognition: **TEQIP-II**

14. Publications:

- * Number of papers published in peer reviewed journals (national / international) – **107 (92+15)**
- * Monographs **NIL**
- * Chapter(s) in Books **NIL**
- * Editing Books **NIL**
- * Books with ISBN numbers with details of publishers **05**



S. No.	Author	Year	Title of Book	Publishers and ISBN number
1.	G. Sowjanya	January, 2013	Exploration of Solid Compounds by Spectroscopic Methods	LAP LAMBERT Academic Publishing ISBN-13: 978-3846598788
2.	Dr. N. Nanda Kumar Reddy	August 2013	A Study on Platinum/Gold Schottky Contacts to n-type Indium Phosphide	LAMBERT Academic Publishers, Germany & ISBN: 978-3-659-46005-0
3.	Dr. S. Victor Vedanayakam	November, 2014	I/f Noise Measurement System & Studies on Thin Films of CdO and Ag.	Scholars Press, Germany ISSN NO: 978-3-639-66249-8.
4.	Dr. M. ChnadraSekhar	June 2016	Investigations on Magnetron Sputtered Titanium Based Oxide Films	LAMBERT Academic Publishers, Germany & ISBN: 978-3-659-87481-9
5.	Dr. N. Nanda Kumar Reddy	July 2016	Studies on Pt/Ru and Pd/Ru Schottky contacts to n type Gallium Nitrite.	Scholars Press, Germany ISSN NO: 978-3-659-84344 - 0

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **132**

* Average Citation range **1 – 13.225**

* SNIP – avg. range **0.544 – 1.2594**

* SJR – avg. range **0.367 – 1.8964**

* Impact factor Range / avg. range **(0.2-13.59)/(0.61-4.306)**

* h-index- avg. range **7.4 – 238.462**

15. Details of patents and income generated

NIL

16. Areas of consultancy and income generated

* Tech meet Visakhapatnam is sanctioned consultancy project of **Rs.2, 50,000** to Mr. A. R. V. Siva Krishna, Assistant Professor, Department of Physics for up gradation of Automatic Identification System (AIS) in Indian Navy ships on 04-01-2016.

17. Faculty recharging strategies Attended

✓ The management allows the faculty to attend FDPs, Workshops, and



Conferences.

- ✓ Research incentives are given to the faculty members for research publications in index journal
- ✓ Salary increments are given based on performance of the faculty.
- ✓ Faculty members are encouraged to participate and present papers in National & International conferences with financial assistance.
- ✓ CUG number, Internet Dongles are provided to all doctorates.

18. Student projects

- percentage of students who have done in-house projects including inter-departmental N/A
- percentage of students doing projects in collaboration with industries / institutes N/A

19. Awards / recognitions received at the national and international level by

- Faculty

S.No	Name of the Faculty member	Name of the award	Name of the organization which presented award
1.	<u>Dr. K. Upendra Kumar</u>	✓ National Investigator Level -I	System of National Investigators (CONACyT), Mexico, 2011
2.	<u>Dr. M. Chandra Sekhar</u>	✓ Achievement of merit award “Best Academic Performance in M. Sc., during the year 2004-2006”.	SVU PG Center, Kavali, A.P., India, 2005
3.	<u>Dr. Virendra Kumar Verma</u>	<ul style="list-style-type: none"> ✓ Ministry of Human resource Development fellowship for 2 years ✓ Monbukagakusho Fellowship for 3 years 	MHRD, Govt. of India Ministry of Education, Culture, Sports, Science and Technology, Govt. of Japan
4.	<u>Dr. Sumit Kumar</u>	✓ Research Professor Fellowship from Oct 2012- April 2014.	Yonsei, South Korlia
5.	<u>Dr. K. Kamakshi</u>	✓ Young Faculty Award	Venus International Foundation, India
6.	<u>Dr.B. JagadeeshBabu</u>	<ul style="list-style-type: none"> ✓ Achievement of Gold Medal at 2006 “Best Academic Performance in M. Sc., during the year 2004-2006”. ✓ CONACyT Scholarship ✓ to pursue Ph.D Program during 	VIT, Vellore, T.N, India, Mexico Government



		2009-2012. ✓ Beca-Mixta Scholarship internship ✓ Post-doctoral fellowship during November 2013 to December 2014.	CONACyT-Mexico Material Summit (Student Congress), Washington D.C.,.. University of Maine and CNRS
7.	Dr. Harish Sharma Akkera	✓ Ministry of Humen Resource Development Fellowship for two years	MHRD, Govt. of India

○ Doctoral / post-doctoral fellows

Nil

○ Students

N/A

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. **ONE**

Academic year	Name of the programme	Name of the Funding Agency	Number of participants	Outstanding participants
2015	'A Three day Workshop on PNMsats (Pico, Nano and Micro satellites)'	TEQIP II	50	1. Dr. Sharan Asundi of Tuskegee University of USA 2. Dr. Amareshwar Khened, Director, Small Satellite Division, ISAC, ISRO, Bangalore 3. Sanjay Nekkanti, Co-founder & Director of Dhruva Space, Bangalore

21. Student profile course-wise:

NA

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female

22. Diversity of Students **N/A**

Name of the Course (refer question no. 2)	% of Students from the College	% of students from the state	% of Students from other States	% of students from other countries
-	-			-



23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? **NA**

24. Student progression **NA**

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	---
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	NA
Entrepreneurs	NA

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	40%
from other universities from other States	60%

a) Highest Degree from Other Countries:

S.No	Name of the faculty	Qualification	Year of the award	Name of the university
1.	Dr. V. K. Verma	Ph.D.	2012	University of Tokyo, Japan
2.	Dr. B. Jagadeesh Babu	Ph.D.	2012	CINVESTAV-IPN, Mexico City, Mexico.
3.	Dr. G. Gopi Krishna	Ph.D	2010	University of Electro-Communications, Tokyo, Japan

b) Highest Degree From Other States:

S.No	Name of the faculty	Qualification	Year of the award	Name of the university
1.	Dr. Mohan Nuthalapati	Ph.D.	2016	NIT Rourkela
2.	Dr. Harish Sharma	Ph.D.	2016	IIT Roorkee



3.	Dr. K. Kamakshi	Ph.D.	2012	IIT Roorkee,
4.	Dr. Sumit Kumar	Ph.D.	2010	Panjab University Chandigarh

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. **07**

S.No	Name of the faculty	Qualification	Year of the award	Name of the university
1.	Dr. Mohan Nuthalapati	Ph.D.	2016	NIT Rourkela
2.	Dr. Harish Sharma	Ph.D.	2016	IIT Roorkee
3.	N. Nanda Kumar Reddy	Ph.D.	2013	S.V. University, Tirupati
4.	Joy Shankar Nambam	Ph.D.	2013	IGCAR, Kalpakkam
5.	Dr. M. Chandra Sekhar	Ph.D.	2012	S.V. University, Tirupati
6.	Dr. V. K. Verma	Ph.D.	2012	University of Tokyo, Japan
7.	Dr. B. Jagadeesh Babu	Ph.D.	2012	CINVESTAV-IPN, Mexico City, Mexico.

27. Present details about infrastructural facilities

- a. Library : **Yes**
- b. Internet facilities for staff and students : **Wi-Fi connectivity with a bandwidth of 100mbps**
- c. Total number of class rooms : **I Semester 6 & II Semester 10**
- d. Class rooms with ICT facility : **All**
- e. Students' laboratories : **02**
- f. Research laboratories : **01**

28. Number of students of the department getting financial assistance from College. **02**

Mrs. G. Usha,
Mr. P. Anand
Research Scholars, Dept. of Physics – Fellowship from TEQIP-II

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, we have introduced Ph.D., Programme in the department.



- * Before starting the new programme the opportunities available for the students were assessed.
- * By analyzing the need base and analogically comparing with neighboring colleges, the new programme is planned and developed.

30. Does the department obtain feedback from

- g. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, the department obtains feedback from faculty on curriculum, teaching, learning and evaluation. The feedback is analyzed and is used in modification of syllabus.

- h. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, the department collects the feedback from the students on teaching, learning and evaluation process. The feedback is analyzed and corrective measure taken accordingly.

- i. Alumni and employers on the programmes and what is the response of the department to the same? NA

31. List the distinguished alumni of the department (maximum 10) NA

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. **YES**

S.No	Name of the Guest faculty	Organization	Title of the guest lecture	Month & Year
1.	Prof. O.M.D. Hussain	Sri Venkateswara University, Tirupati	Fabrication techniques & Applications of Nano Materials	April, 2013
2.	Dr. P.S. Anil Kumar Associate Professor	IISc. Bangalore	Sprinctronics – It’s Vital Applications & Scope in Research	April, 2016

33. List the teaching methods adopted by the faculty for different programmes.

- Lecture Method
- Interactive Method
- Experimental learning
- Seminars
- Demonstration of NPTL videos



- MIT open courseware
- Assignments

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

The department has mapped the Programme Objectives of each Programme with thorough discussions with the faculty of the other departments.

The Course Assessment is made at the end of each semester basing on two internal examinations to monitor the learning outcomes of the course.

35. Highlight the participation of students and faculty in extension activities.

- The department faculty members are being participated in various extension activities such as NSS, Blood donation camp, sports & games, inter-college quiz competitions, exhibitions and cultural activities at state level.
- Faculty as the members of the different committees in the Institution participate in the cultural events like ASHV, Orientation Programme for

36. Give details of “beyond syllabus scholarly activities” of the department.

- In the laboratory, a few experiments beyond syllabus are conducted.
- Faculty are participated in conducting National Level Technical Symposium for students PHOTON in every Academic Year.
- Guest lectures are also arranged regularly inviting eminent experts from industries and academic institutes.
- Conduct the quiz competitions and model exhibitions in association with other departments.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

NA

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTHS:

- Qualified and dedicated faculty members with doctorates
- Faculty Educated from Institutes of Higher Learning both from India as well as abroad leading to wider and quality spectrum of thinking related to research and learning processes. The good practices are being adapted to the students of this Institution.
- Research Center can put up advanced research techniques.
- Encouragement to the faculty to participate seminars and conferences with financial



assistance

WEAKNESS:

- Science education in general Physics education in particular is not recognized for education for professionals.
- Programme is offered in regular engineering education.

OPPORTUNITIES

- Enhancing research activities through sponsored R&D projects from AICTE, DST, UGC, DRDO, BEL, ISRO, HAL, etc.
- Open external research guidance for faculty members and Qualification Improvement Programmes.
- Research laboratory on advanced technologies.
- Strong alliance with National and International organizations for academic and R&D activities
- The opportunities never ending, ever growing in research for Physics.

39. Future plans of the department.

- To strengthen the existing expertise in the area of Materials Science, Computational Condensed Matter Physics, Laser Spectroscopy, Solar cell technology.
- More projects from UGC, DST and other funding agencies
- To start PG programme in applied physics



Evaluative Report of The Chemistry Department

1. Name of the Department & its year of establishment

Name of the Department: **Chemistry Department**

Year of establishment: **Dept. of Chemistry & 2009**

2. Names of Programmes / Courses offered:

Ph.D: **All thrust areas in Chemistry**

3. Interdisciplinary courses and departments involved: **NA**

4. Annual/ semester/choice based credit system: **Semester system**

5. Participation of the department in the courses offered by other departments

S. No	Name of course & Code	Course Code	Programme & Year	Departments Offered
1	Engineering Chemistry	14CHE11T01	I B.Tech-I SEM. I B.Tech-II SEM.	ECE, CSE EEE, ME, CE
2	Engineering Chemistry Practical	14CHE11P01	I B.Tech-I SEM. I B.Tech-II SEM.	ECE, CSE EEE, ME, CE
3.	Environmental Science	14CHE11T02	I B.Tech-I SEM.	EEE, CSE, ME, ECE, CE
4.	Introduction to Nanoscience and Nanotechnology (Open Elective)	14CHE401	III B. Tech.,	ECE, CSE, EEE, ME, CE

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Designation	Sanctioned	Filled
Professors	01	01
Associate Professors	-	-
Asst. Professors	17	17

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. B. Venkata Raman	Ph. D.,	Professor	Bio-Chemistry	19	1
2	Dr. P. P. George	Ph. D.,	Assistant Professor	Inorganic chemistry	10	-



3	Dr. S. Elamathi	Ph. D.,	Assistant Professor	Polymer chemistry	4	-
4	Dr. K. Chandramohan	Ph. D.,	Assistant Professor	Electro chemistry	3.7	-
5	Dr. K. Mohan Kumar	Ph. D.,	Assistant Professor	Nano-materials	3.7	-
6	Dr. Sovan Roy	Ph. D.,	Assistant Professor	Bio-Inorganic chemistry	1.7	-
7	Dr. Veera Venkata Ramesh E	Ph. D.,	Assistant Professor	Organic chemistry	1.3	-
8	Mr. R. RamMohan	M. Sc.,	Assistant Professor	Organic chemistry	6	-
9	Mrs. K. Manju Rani	M. Sc.,	Assistant Professor	Analytical Chemistry	15	-
10	Mrs. T. Rama Thulasi	M. Sc.,	Assistant Professor	Analytical Chemistry	9	-
11	Dr. R. Logudurai	D.Sc.	Assistant Professor	Nano Materials	1.75	-
12	Dr. Arunbabu Dhamodaran	Ph. D	Assistant Professor	Polymer Chemistry	0.8	-
13	Dr. M. Balaji	Ph. D	Assistant Professor	Nano Catalysis	0.7	-
14	Dr. Nasrin I Shaikh	Ph.D.	Assistant Professor	Bio Organic Chemistry	0.7	-
15	Dr. Balaji. R	Ph.D.,	Assistant Professor	Computational Chemistry	1.95	-
16	Dr. A. Selvaganapathi	Ph.D.	Assistant Professor	Polymer Engineering	0.8	-
17	Dr. K. Seeni Meera	Ph.D.	Assistant Professor	Materials Chemistry	0.7	-
18	Mrs. Chaithanya S Tegalapalli	M.Sc.,	Assistant Professor	Biochemistry	-	-

8. Percentage of classes taken by temporary faculty – programme-wise information **NIL**

9. Programme-wise Student Teacher Ratio: **15:1**

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Designation	Sanctioned	Filled
Attender	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Sl. No.	Name of Faculty	Title of Project	Sanctioned Letter dated	Funding Agency	Amount
1.	Dr. P. P. George	Synthesis of mesostructured materials by using sugar based surfactant	1-7-2015	UGC-Major Research Project (F. No. -43-208/2014(SR))	5,58,000/-
2.	Dr. K. Chandra Mohan	Development of ZnO-SnO ₂ thin films characterization and study of their solar cell applications	October 2016	UGC-Minor Research Project (F. No.: 4-4/2015-16(MRP/UGC-SERO))	2,95,000
3.	Dr. K. Mohan Kumar	Metal nanoparticles supported on Heteroatom Doped Carbon Nano-Dots: Synthesis, Characterization and Applications	October 2016	UGC-Minor Research Project (F. No.: 4-4/2015-16(MRP/UGC-SERO))	3,20,000

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:

Department of Science and Technology, Govt. of India has sanctioned Rs.30,00,000/- under scheme of “Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program – 2015” for self-financed post-graduate departments.

Total grant received by Dept. of Chemistry from various funding agencies

S. No.	Funding Agency	Grant Sanctioned	Grant Received (Rs.)
1	UGC-MRP	5,58,000/-	5,58,000/-
2.	UGC-MRP	2,95,000	2,95,000
3.	UGC-MRP	3,20,000	3,20,000
Total			11,73,000



13. Research facility / Centre with

- state recognition:

STATE RECOGNITION

- The college is recognized as a research centre by JNTUA for three years starting from the academic year 2015-16 to 2017-18 with reference file number “Proc. No. A1/R&D/Recognition of Research Centre/MITS/2014-15”.
- Recognized by Andhra Pradesh State government for Andhra Pradesh State Skill Development Center (www.appsd.in)
- national recognition

NATIONAL RECOGNITION

Recognized as scientific and industrial research organization by DSIR of DST F.No: 11/162/51/2014-TU-V and F.No:11/625/2014-TU-V

- international recognition **Nil**

Publications:

- * Number of papers published in peer reviewed journals (national / International): **118(national = 16 and international = 102)**

f. Monographs : **Nil**

g. Chapter(s) in Books : **04**

Sl. No.	Authors	Title and Information	Publisher
1.	D. Arunbabu, Boxin Zhao, B. McDonalad	“Polymers, Adhesion, and Paper Materials”, In “ <i>Polymer Adhesion, Friction, and Lubrication</i> ”, Editor: Hongbo Zeng, Chapter 12, pp. 501-543, Wiley, 2013 (ISBN: ISBN: 978-0-470-91627-8).	Wiley and Sons
2.	Laura Cipolla, Laura Russo, Nasrin Shaikh, and Francesco Nicotra	Materials Biofunctionalization for Tissue Regeneration in Polymeric Biomaterials: Volume 2 ISBN 9781420094725 - CAT# 94726	CRC Press 2013
3.	K. Seeni Meera, R. Murali Sankar, S. N. Jaisankar, A. B. Mandal,	“Studies on biocompatible surface active silica aerogel and polyurethane-siloxane cross-linked structures for various surfaces”, “ <i>Encyclopaedia of Biocolloid and Biointerface Science</i> ”, Editor: Prof. Hiroyuki Ohshima, Volume 1, 1 st Edn., 2016 (ISBN: 978-1-118-54276-7).	Vol.1, 1 st Edn., Pub. by John Wiley & Sons, Inc.,
4.	Anna Samuel Lanka, Venkata Raman B,	Preliminary Phytochemical Screening and Antibacterial Activity of the	Astha Publishers & Distributors,



YSRVS Joga Rao, T. Sivakesava Rao, Radhakrishnan TM	Leaves of <i>Blumen solidaginoides</i> , in Emerging trends in value addition to plants and plant products, Edited by Dr K Manikya Kumari, ISBN 13: 9789382126973 , Year: 2015.	New Delhi
---	--	-----------

h. Editing Books : Nil

i. Books with ISBN numbers with details of publishers: 02

S.I. No.	Name of faculty	Title of Book with ISBN Number	Publisher
1	Dr. A. Ravikrisnan Dr. K. Chandramohan	Engineering Chemistry, ISBN 978-93-85364-10-5.	Sri Krishna Hi-tech Publisher company PVT Ltd.
2	Selvaganapathi A, Alagar M, Gnanasundaram, P,	"Organic-inorganic hybrid epoxy layered silicate/CNT nanocomposites", 2013, ISBN 978-3-639- 51329-5.	Scholars Press, AV Akademikerverlag GmbH& Co. KG., Heinrich Böcking-Str. 6-8., 66121, Saarbrücken, Germany

j. Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 80

k. Citation Index – range / average : 8-592 / 180

l. SJR : 0.1-7.12

m. Impact factor – range / average : 0.3 – 13.038

n. h-index : 3 – 12

14. Details of patents and income generated: **Nil**

15. Areas of consultancy and income generated: **Nil**

16. Faculty recharging strategies: Faculty members are sending for Workshops, FDPs.

17. Student projects

- percentage of students who have done in-house projects including inter-departmental : **Nil**
- percentage of students doing projects in collaboration with industries / institutes : **Nil**

18. Awards / recognitions received at the national and international level by

o Faculty

S.I. No	Name of Faculty	Year	Title of Awardee	Organisation
1	Dr. P. P. George	1999	Dr. K. Suryanarayana Murthy Memorial Prize	S. V. University, Tirupati .A.P., India.



		2000-2002	Junior Fellowship Research	Department of Science and Technology, New Delhi, India.
		2000-2004	Senior Fellowship Research	Department of Science and Technology, New Delhi, India.
2	Dr. S. Elamathi	2008	CSIR – SRF	CSIR-New Delhi
		2008	Best poster award	CECRI, Thiruvananthapuram
3	Dr. K. Mohan Kumar	2009	Dr. Upadhyula V Rao Memorial award	The Indian chemical Society
		2012	Research Award	VIT University, Vellore
4.	Dr. Sovan Roy	2004 (JUNE)	UGC-NET JRF	CSIR and UGC India
		2004 (DEC) Post- Doctoral Fellowship	CSIR-NET Post-Doctoral Fellowship	CSIR and UGC India Florida State University
5.	Dr. EVV Ramesh	2006	Qualified GATE (Graduate Aptitude Test in Engg.) with a 91.1 percentile	GATE
		2006	Qualified the CSIR-UGC NET exam held on 18.12.2005	CSIR-UGC
		2006 – 2008		CSIR-UGC
		2008 – 2011	Junior Research Fellowship (JRF) by CSIR, India	CSIR-UGC
		2013	Senior Research Fellowship (SRF) by CSIR, India	NCL
		2013	2013: NCL RF Nanai Natu 2013 award for the best research publication	Eli Lilly Foundation Max-Planck Foundation
			Eli Lilly outstanding thesis awards 2nd prize for the Ph. D. thesis	
			Max-Planck fellowship (MPIKG Potsdam)	
6.	R. Logudurai	2004-20 07	JST Graduate Research Student Fellowship	Core Research for Evolutional Science and Technology (CREST) supported by Japan



		2004-2007	2004-COE (Center Of Excellence) MEXT	Science and Technology Agency (JST) Fellowship Education, Culture, Sports, Science and Technology, Japan).
7.	Dr. D. Arunbabu	2005-2006 June 2011-Nov 2012 Jan 2013-Oct 2014 Jan 2015- Dec 2015	CSIR-UGC-NET Junior Research Fellowship Qulaified Postdoctoral Fellowship Postdoctoral Fellowship Postdoctoral Fellowship	CSIR-UGC University of Waterloo McGill University (KRICT) Concordia University
8.	Dr. M. Balaji	2015-16	Postdoctoral Fellowship from Nuclear Science Research Institute.	Pusan National University, South Korea.
9.	Dr. Nasrin I. Shaikh	2011 2010 2009 2008 2003 2002	VeLiCa Award (Postdoctoral fellowship) CINMPIS Scholarship, Ministry of Italy Indo-Italian (MIUR) fellowship, Ministry of Italy-India Young Researcher fellowship Organic chemistry Topper Best NSS Girl	ISTM-CNR, Italy University of Milano-Bicocca-Italy National Chemical Laboratory (NCL-PUNE) + University of Milano-Bicocca-Italy University of Milano-Bicocca-Italy University of Pune University of Pune
10.	Dr. Balaji. R	March 2004 June 2009 Mar/2014-Apr/2015 11/2012-12/2013 06/2012-11/2012 10/2010-	GATE 2004 Best Research Paper Award Postdoctoral Fellowship Postdoctoral Fellowship Postdoctoral Fellowship Postdoctoral Fellowship	Indian Institute of Technology Delhi IRCC, Indian Institute of Technology Bombay Jimma University, Ethiopia Boise State University, ID, USA Indian Institute of Technology Bombay California State



		04/2012		University, CA, USA
11.	Dr. A. Selvaganapathi	<p>July 2003 – June 2005</p> <p>July 2005 – June 2006</p> <p>Dec. 2012 – Nov. 2013</p> <p>Dec. 2011 – Nov. 2012</p> <p>June 2011 – 4 Nov. 2011</p>	<p>Senior Research Fellow (DST Project), Anna University, India.</p> <p>Senior Research Fellow (DST Project), Anna University, India.</p> <p>Post Doctoral Fellow, -</p> <p>Post Doctoral Fellow,</p> <p>Post Doctoral Fellow</p>	<p>DST</p> <p>DST</p> <p>Department of Chemistry, Hanyang University, Seoul, South Korea.</p> <p>Department of Chemical Engineering, Ben-Gurion University of the Negev, Beer-Sheva, Israel.</p> <p>Foam material research Team, Korea Institute of Footwear and Leather Technology (KIFLT), Busan, South Korea.</p>
12.	Dr. K. Seeni Meera	<p>2014</p> <p>2012</p> <p>2007 & 2008</p> <p>2006</p> <p>2009</p>	<p>DLR-DAAD Post-doctoral Fellowship</p> <p>CSIR-Senior Research Fellowship</p> <p>Summer Research Fellowship</p> <p>University Rank</p> <p>CSIR DJ Research Internship</p>	<p>DAAD, Germany</p> <p>CSIR, New Delhi</p> <p>IASc, Bangalore</p> <p>Alagappa University, Karaikudi</p> <p>CSIR-CLRI, Chennai</p>

19. Seminars/ Conferences/Workshops organized and the source of funding (national
i. International) with details of outstanding participants, if any. **NIL**

20. Student profile course-wise: **NA**



21. Diversity of Students: NA

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
----	----	100%	----	----

22. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NA

23. Student progression: NA

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	
Entrepreneurs	NA

24. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	22.22
from other universities from other States	22.22
From foreign universities	55.55



25. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S. No	Name of the faculty	Title of the Ph.D. Theses	Name of the University	Year of award
1.	Dr. E. Veera Venkata Ramesh	Design, synthesis and conformational investigations of novel confirmationally restricted hybrid peptides	University of Pune	2013
2.	Dr. K. Chandra Mohan	Electro analysis of pesticides in environmental and agriculture samples	S. V. University, Tirupati	2013
3.	Dr. K. Mohan Kumar	Green synthesis of metal Nano particles, characterization and application	VIT University, Vellore	2013
4.	Dr. K. Seeni Meera	Synthesis and Characterization of Sol-Gel Derived Nanosilica Based Aerogels and Polyurethane Nanocomposites: Their Applications	University of Madras, Chennai	2014
5.	Dr. M. Balaji	New Catalytic Strategies for Synthesis of Triazoles and Organochalcogen Derivatives.	Pusan National University, South Korea.	2015

26. Present details about infrastructural facilities

- g. Library: **Yes**
- h. Internet facilities for staff and students : Wi-Fi connectivity with a bandwidth of 100mbps
- i. Total number of class rooms: **16**
- j. Class rooms with ICT facility: **Yes**
- k. Students' laboratories : **2**
- l. Research laboratories: **1**

27. Number of students of the department getting financial assistance from College.

PhD scholars - **Mr. Yuva Sravan, Ph.D Scholar in Chemistry Department is being receiving –Rs.18,000/- per month as a fellowship from the college through TEQIP-II.**



Ms. Apsana, has qualified for [Maulana Azad National Fellowship](#) offered by University Grants Commission(UGC) and she receives Rs.25,000 (UGC-JRF) from UGC through institute.

28. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. **NA**

29. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
 - Feedbacks are compiled and taken for discussion in Board of Studies. These suggestions are forwarded to academic council for approval.
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, Students’ feedback on staff members and teaching-learning- evaluation are obtained in each semester on each subject. Necessary corrective actions are taken for improvements.

30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? **Yes**
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, student’s feedback on staff, curriculum as well as teaching-learning evaluation is obtained in each semester on each subject. Necessary corrective actions are taken for improvement.

- c. Alumni and employers on the programmes and what is the response of the department to the same? **NA**

31. List the distinguished alumni of the department (maximum 10) **NA**

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Name of Event	Title of the Event	Name and address of the Expert	Participants	Sponsor
Guest Lecture on World Ozone day	Guest lecture on “ <i>Laser Radar Techniques for Remote Sensing the Atmosphere</i> ” on the eve of World	Dr. Y. B. Kumar , Scientist-F, Head, LIDAR PROJECT, National Atmospheric Research Laboratory, Department of space:	I-B.Tech Students	TEQIP-II



	Ozone Day.	Government of India, Gadanki – 517112 Chittoor Dist., AP		
--	-------------------	--	--	--

33. List the teaching methods adopted by the faculty for different programmes.
- **Lecture Method**
 - **Interactive Method**
 - **Experimental learning**
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? **NA**
35. Highlight the participation of students and faculty in extension activities.
- **The departmental teachers students are engaged in various extension activities e.g. NCC, NSS, Blood donation camp (inside and outside campus), project work in various research institutes, inter-college quiz competitions, state-level and departmental exhibitions etc.**
 - **Weekend service by students through organizations like Make a Difference.**
36. Give details of “beyond syllabus scholarly activities” of the department.
- **Environmental tour is organized for the students**
 - **Inter-college quiz competitions and collaborative projects**
 - **Social service activities**
37. State whether the programme/ department is accredited/ graded by other agencies. Give details. **NA**
38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

STRENGTHS:

- Faculty from reputed national and international institutes
- High track record in international publications.
- Expertise faculty members in different application oriented research area.
- Research in Green Chemistry and energy storage applications
- Ability to acquire funds from various funding agencies
- Authorized research centre from JNTUA
- Opportunities for research in chemistry as white scope and connotations.
- Collaboration with professional environment
- Opportunities exist for handling real life situations leading to science and technology solutions.

**WEAKNESS:**

- Interaction with faculty of national and international universities.
- No strong academic/industrial consultancy.
- Poor student communication levels
- Absence of bridge programs like master's degree in chemistry
- Kind of hindrance to realize full potential of faculty

OPPORTUNITIES

- Enhancing research activities through sponsored R & D projects from AICTE, DST, CSIR, UGC and DRDO etc.
- Collaborative projects with IICT, Central University and other state universities.
- Modernization of laboratories.
- Growth of environmental related knowledge of the class in the last decade or so
- Faculty shall have an opportunity to take tasks related to technology development along with carrying out scientific research.

CHALLENGES

- Centre for Green/Nano/Material/Polymer Chemistry
- International recognition for the department
- Receding interest about science education in general and basic science education in particular a-national situation.

39. Future plans of the department.

- Generating more projects from UGC, DST and other funding agencies.
- Training programs in the areas of green chemistry and sustainable development.
- Building new generation of Green energy technologists and scientists.
- Offers PG course in applied Nano chemistry.



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC - AUTONOMOUS)

Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu
www.mits.ac.in www.mits.edu

Declaration by the Head of the Institution

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution

With seal:

Place: Madanapalli
Date: 18-3-2016

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadir Road, Angallu
MADANAPALLE 517 325 A P

AN ENGINEERING COLLEGE SPONSORED BY : RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY

P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.

Phone : 08571 - 280255, 280706 Fax : 08571 - 280433



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC - AUTONOMOUS)

Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu
www.mits.ac.in www.mits.edu

CERTIFICATE OF COMPLIANCE

(Affiliated to JNTUA, Ananthapuramu, Recognized by AICTE and
An Autonomous Institution)

This is to certify that Madanapalle Institute of Technology & Science (Autonomous),
Madanapalle fulfills 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 day.

In case the affiliation / recognition are conditional, then detailed enclosures 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 the NAAC is liable to be withdrawn. It is also agreed that the
undertaking given to NAAC will be displayed on the College website.

Principal / Head of the Institution
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Date: 04-04-2016

Place: Madanapalle

AN ENGINEERING COLLEGE SPONSORED BY : RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY

P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.

Phone : 08571 - 280255, 280706 Fax : 08571 - 280433

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in



ज्ञान-विज्ञान विमुक्तये
SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. No. 8-306/2011 (CPP-I/C)

June, 2011

The Registrar,
Jawaharlal Nehru Technological University,
Anantapur – 515 002,
Andhra Pradesh.

22 JUN 2011

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. MITS/UGC/2010-11 dated 18.03.2011 received from the Principal, Madanapalle Institute of Technology & Science, 10th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh) on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Anantapur**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government** College teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Madanapalle Institute of Technology & Science, 10 th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh).	1998	The college is granted 12 (B) status to make it eligible to receive central assistance from sources other than UGC.

The Indemnity Bond and other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Uma Bali)
Under Secretary

Copy to:-

- ✓ The Principal, Madanapalle Institute of Technology & Science, 10th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4th Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. All Sections, UGC, New Delhi.
8. Guard file.

(Sunita Gulati)
Section Officer

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. No. 8-306/2011 (CPP-I/C)

February, 2014

The Registrar,
Jawaharlal Nehru Technological University
Anantapur – 515 002
Andhra Pradesh

6 FEB 2014

Sub: - Change the status of the College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

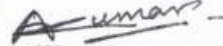
Sir,

In supersession of this office letter of even no. dated 22.06.2011 on the above subject and to say that Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh is **un-aided/self financed** College and **permanently** affiliated to Jawaharlal Nehru Technological University, Anantapur and the name of aforesaid college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** College teaching upto **Master's Degree**':-

Name of the College	Year of Establishment	Remarks
Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh.	1998	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8 th July 2011.

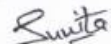
The documents submitted in respect of the above College have been accepted by the University Grants Commission. The earlier letter dated 22.06.2011 may please be treated as cancelled.

Yours faithfully,


(Ajay Kumar)
Education Officer

Copy to:-

1. The Principal, Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4th Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. Guard file.


(Sunita Khanna)
Section Officer



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

F.No. South-Central/1-2450967973/2015/EOA/Corrigendum-4

Date: 27-May-2015

Corrigendum

To,
The Principal Secretary
(Higher Education) Govt. of Andhra Pradesh,
J Block, 4th Floor, Secretariat Building,
Hyderabad-500022

Sub: Extension of approval for the academic year 2015-16.

Ref: Application of the Institution for Extension of Approval for the Year 2015-16

EOA Issued on	F.No. South-Central/1-2450967973/2015/EOA	07-Apr-2015
EOA Printed on	F.No. South-Central/1-2450967973/2015/EOA	11-Apr-2015
Corrigendum 1	F.No. South-Central/1-2450967973/2015/EOA/Corrigend	22-May-2015
Corrigendum 2	F.No. South-Central/1-2450967973/2015/EOA/Corrigend	18-May-2015
Corrigendum 3	F.No. South-Central/1-2450967973/2015/EOA/Corrigend	30-Apr-2015
Corrigendum 4	F.No. South-Central/1-2450967973/2015/EOA/Corrigend	27-May-2015

Sir/Madam,

In partial modification of the letter F.No. South-Central/1-2450967973/2015/EOA/Corrigendum-3 and in terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2450967973
		Permanent Id	1-7603741
Name of the Institute	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE	Institute Address	10TH KM., ANGALLU (V), NH - 205, KURABALAKOTA (M), MADANAPALLE - ANANTAPUR ROAD, MADANAPALLE, CHITTOOR, Andhra Pradesh, 517325
Name of the Society/Trust	RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY	Society/Trust Address	15/5/5, SHIRIDI SAI NILAYAM, RRN COLONY, MADANAPALLE, CHITTOOR, Andhra Pradesh, 517325
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

Printed By : ae1734141



Ph:08554-272433 Fax:08554-272437
 Mobile: 9908088806
 Email:registrar@jntua.ac.in

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
 (Established by Govt. of A.P., ACT No.30 of 2008)
ANANTAPUR – 515 002 (A.P) INDIA

PRESENT: Prof. K. HEMACHANDRA REDDY, Registrar

Procds. No.A2/Permanent Affiliation/MITS-69/2013-14

Date:11/10/2013

Sub: JNT University Anantapur – Academic & Planning – Grant of **Permanent Affiliation** from the academic year 2013-14 to “**Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist**” - Orders Issued.

- Read:1. Univ.Affi Procs No.A2/Affi/MITS-69/2012-13, dated:01-11-2012.
 2. Status of approval for AICTE approved Engg&Tech institutions for the year 2013-14 as on 22-05-2013 kept in AICTE website.
 3. a) G.O.Rt.No.636, dated:14-08-2013
 b) G.O.Rt.No.513, dated:12-07-2013
 c) G.O.Rt.No.514, dated:12-07-2013
 d) G.O.Rt.No.545, dated:18-07-2013
 4. Univ.FFC Procs.No.A2/Affi-Permanent/FFC-Inspections/2013-14, dated:01-05-2013.
 5. Fact Finding Committee Report.
 6. Minutes of the Meeting of the Standing Committee for Affiliation dated:11-10-2013.

ORDER:

1. The “**Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist**” was given Temporary affiliation for running Degree courses during the academic year 2012-13 vide Procs.(1) read above.
2. The AICTE, New Delhi and Government of A.P have accorded extension of approval to the above college for the academic year 2013-14 vide ref (2) and (3) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructure facilities of the college to consider for the grant of **Permanent Affiliation** from the academic year 2013-14 vide Procs. (4) read above. The Fact Finding Committee has visited the college and submitted its report to the University vide (5) read above. The Standing Committee for Affiliation has verified the Fact Finding Committee reports and other documents pertaining to the college and made recommendations for **Permanent Affiliation** from the academic year 2013-14.

The Standing Committee for Affiliation has identified the following deficiencies and recommended to rectify the same and submit a compliance report.

1. FLEXIM software for M.Tech in Advanced Manufacturing Systems to be procured
2. Examination branch is not adjacent to Principal’s Chamber
3. Atleast 50% of faculty appointments should be ratified by the University (38% are ratified)
4. Biometric system has not been implemented so far. (Planned to implement from 03-06-2013)
5. Internal Quality Assurance Cell is to be established
6. IUT Fee is to be paid
7. Computer to student ratio is to be improved

Contd..2



- 8. Teacher to student ratio is to be improved
- 9. e-class room is to be provided

3. Under the circumstances as stated above, the Vice-Chancellor is pleased to Grant **Permanent Affiliation** to “Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist” sponsored by “Ratakonda Ranga Reddy Educational Academy, 10-314, Kamma Street, Madanapalle, Chittoor Dist” to offer Degree Course in the following disciplines with the intake shown against each for a period of **3 (Three)** years from the Academic Year 2013-2014 as detailed below:

SNo.	Name of the course	Type	INTAKE
1.	B.Tech.-Computer Science & Engineering	1 st Shift	120
2.	B.Tech.-Electrical & Electronics Engineering	1 st Shift	60
3.	B.Tech.-Electronics & Communication Engineering	1 st Shift	240
4.	B.Tech.-Mechanical Engineering	1 st Shift	180
5.	B.Tech.-Information Technology	1 st Shift	60
6.	MCA	1 st Shift	60+12 (+20% L.E)
7.	MBA	1 st Shift	120
8.	M.Tech-Digital Electronics & Communication Systems	1 st Shift	36
9.	M.Tech.-Computer Science & Engineering	1 st Shift	36
10.	M.Tech.-Electrical Power Systems	1 st Shift	36
11.	M.Tech.-Computer Science & Engineering	2 nd Shift	36

However, the above college has been granted **Temporary Affiliation** to the following remaining courses to offer with the intake shown against each for the academic year 2013-14 as detailed below:

SNo.	Name of the course	Type	INTAKE
1.	M.Tech.-Advanced Manufacturing System	1 st Shift	36
2.	M.Tech.-Machine Design	2 nd Shift	36
3.	M.Tech.-Micro & Nano Electronics	2 nd Shift	36

However, the college is instructed to rectify the above deficiencies and submit a compliance report before **21-12-2013**, failing which the Permanent Affiliation will be withdrawn.

The Permanent/Temporary affiliation shall be subject to the following conditions:

1. The management shall follow the norms of AICTE and the rules of the affiliation of JNT University Anantapur in all aspects.
2. The management shall follow the Academic Regulations and examination schedule of JNT University Anantapur.
3. Anti-ragging measures to be taken strictly in accordance with UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009 (F.1-16/2007 (CPP-II))
4. Regular meetings of College Academic Committee and Governing Body shall be conducted.


 for REGISTRAR

Contd..3



Ph:08554-272433 Fax:08554-272437
 Mobile: 9908088806
 Email:registrar@jntua.ac.in

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
 (Established by Govt. of A.P., ACT No.30 of 2008)
ANANTAPUR – 515 002 (A.P) INDIA
PRESENT: Prof. S. KRISHNAIAH, Registrar

Procds. No.A2/Affi/MITS-69/2014-15

Date:22/01/2015

Sub: JNT University Anantapur – Academic & Planning – Grant of Temporary Affiliation for the academic year 2014-15 to “Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist” - Orders Issued.

- Read:1. Univ.Affi Procs No.A2/Permanent Affiliation/MITS-69/2013-14, dated:11-10-2013
 2. Status of approval for AICTE approved Engg&Tech institutions for the year 2014-15 as on 17-06-2014 kept in AICTE website.
 3. a) G.O.Rt.No.302, dated:18-07-2014
 b) G.O.Rt.No.301, dated:18-07-2014
 c) G.O.Rt.No.299, dated:18-07-2014
 d) G.O.Rt.No.348, dated:11-09-2014
 e) G.O.Rt.No.340, dated:28-08-2014
 4. Univ. FFC Procs.No.A2/Affi/FFC-Inspections/2014-15, dated:06-05-2014
 5. Fact Finding Committee Report.
 6. Minutes of the Meeting of the Standing Committee for Affiliation dated:08-07-2014

ORDER:

1. The “Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist” was given Permanent affiliation for some of the Degree course(s) being run by the college during the academic year 2013-14 vide Procs.(1) read above.
2. The AICTE, New Delhi and Government of A.P have accorded extension of approval to the above college for the academic year 2014-15 vide ref (2) and (3) read above. The University has constituted a Fact Finding Committee to verify the staff and infrastructure facilities of the college to consider for grant of Temporary affiliation for the academic year 2014-15 vide Procs. (4) read above. The Fact Finding Committee has visited the college and submitted its report to the University vide (5) read above. The University has constituted a Standing Committee for Affiliation to verify the reports which were submitted by the Fact Finding Committee for recommendations for granting Temporary affiliation for the academic year 2014-15. The Standing Committee for Affiliation of the University has verified the reports which were submitted by the Fact Finding Committee and made recommendations for granting Temporary Affiliation for the academic year 2014-15 vide (ref.6) read above.
3. Under the circumstances as stated above, the Vice-Chancellor is pleased to Grant **Temporary Affiliation** to “Madanapalle Institute of Technology and Science, P.B.No.14, Angallu, Madanapalle, Chittoor Dist” sponsored by “Ratakonda Ranga Reddy Educational Academy, 10-314, Kamma Street, Madanapalle, Chittoor Dist” to offer Degree Course in the following disciplines with the intake shown against each for the Academic Year 2014-2015 as detailed below:

Contd..2

..2..

SNo.	Name of the course	Type	INTAKE
1.	M.Tech.-Advanced Manufacturing System	1 st Shift	36
2.	M.Tech.-Machine Design	2 nd Shift	36
3.	M.Tech.-Micro & Nano Electronics	2 nd Shift	36
4.	M.Tech.-VLSI & Embedded Systems	1 st Shift	24
5.	M.Tech.-Solar Power Systems	1 st Shift	24
6.	MCA 2 nd year Direct	1 st shift	120
7.	B.Tech.-Electrical & Electronics Engineering	2 nd Shift	60
8.	B.Tech.-Mechanical Engineering	2 nd Shift	60
9.	B.Tech.-Electronics & Communication Engineering	2 nd Shift	60
10.	B.Tech.-Computer Science & Engineering	2 nd Shift	60
11.	B.Tech.-Civil Engineering	1 st Shift	60
12.	B.Tech.-Electrical & Electronics Engineering	1 st Shift	120*
13.	B.Tech.-Mechanical Engineering	1 st Shift	240*
14.	MBA	1 st Shift	240*

* The programmes were granted Permanent Affiliation from the academic year 2013-14 to 2015-16. While the departments continue to be under Permanent Affiliation during this period, the variation in intake will come in force with effect from the academic year 2014-15.

The Temporary affiliation shall be subject to the following conditions:

1. The management shall follow the norms of AICTE and the rules of the affiliation of JNT University Anantapur in all aspects.
2. The management shall follow the Academic Regulations and examination schedule of JNT University Anantapur.
3. Anti-ragging measures to be taken strictly in accordance with UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009 (F.1-16/2007 (CPP-II))
4. Regular meetings of College Academic Committee and Governing Body shall be conducted.
5. College website is to be created.

D.S.Rao
for REGISTRAR

To

The Principal,
Madanapalle Institute of Technology & Science,
P.B. No.14, Angallu, Madanapalle,
Chittoor Dist-517 325.

Copy to:

The Chairman/Secretary, Ratakonda Ranga Reddy Educational Academy, 10-314,
Kamma Street, Madanapalle, Chittoor Dist – 517 325.

The Principal Secretary to Government Higher Education (EC.2) Dept, Govt. of Andhra Pradesh,
Secretariat, Hyderabad.

The P.A. to Chairman, Andhra Pradesh State Council of Higher Education, JNTU Old Campus, Masab
Tank, Hyderabad-500 028.

The Secretary, A.P. State Council of Higher Education, JNTU Old Campus, Masab Tank, Hyderabad-28.

The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad.

The Member Secretary, All India Council for Technical Education (AICTE), 7th floor, Chanderlok Building,
Janpath, New Delhi-110001.

The Director, AICTE-South Central Regional Office, 1st floor, Old Bicard Building JNTU, Masab Tank
Campus, Mahaveer Marg, Hyderabad-500028. A.P

The Joint Secretary, University Grants Commission, South Eastern Regional Office, APSFC Building (4th
Floor), 5-9-194, P.B.No.152, Chirag-Ali-Lane, Hyderabad-500 001.

The Director of Evaluation, JNTUA, Anantapur.

PA to the Vice-Chancellor / PA to Rector/ PA to the Registrar.



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
UGC-AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu
Angallu, Madanapalle – 517325, Chittoor Dist, Andhra Pradesh
Ph: 08571 - 280255, 280706, Fax: 280433
www.mits.ac.in