

# MOTHER TERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9000 - 2001 Certified Institution)

Approved by AICTE, New Delhi::Affiliated to JNTUA, Ananthapuramu

Melumoi Post, Palamaner, Chittoor (Dist.) – 517408.



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## **COLLEGE AT A GLANCE**

Mother Theresa Institute of Engineering and Technology, a premier Engineering College, was established in the year 2010, affiliated to JNTUA, with the objective of developing competent and responsible technocrats for the futuristic needs of India. Promoted by "**Holy Cross Educational Society, Palamaner**". MTIET is built on the spirited commitment and passion to impart quality education to the rural and remote student aspirant of technical education.

From a small and humble beginning we have grown and continuously growing with the uninstinted policy of moving forward for a better tomorrow.



Initiation, Inspiration, Inventions, Innovations and Challenges are never ending programs of the universe. Every investigation big or small counts but always begins with a single step. All the engineers have immense potential within them. This potential can be transformed into academic and research activities by waking up their minds.

**“The Archer is known for his ability but not for his Arrow..!”**

## VISION

To promote excellence in the field of Engineering Education, Research and Consultancy which encompasses knowledge, skills and values to produce technically and intellectually competent and socially committed students to become responsible citizens.

## MISSION

- To empower the students in developing professionalism through innovative teaching and learning process
- To improve high ethical values in engineering and technology through research and consultancy
- To promote high standards in education to meet the needs of the society
- To impart knowledge and technical skills to enhance intellectual property of primary stake holders.

## PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- **PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## **MESSAGE FROM SECRETARY & CORRESPONDENT'S DESK**



**SRI M RAVINDRABABU**  
**SECRETARY & CORRESPONDENT**

MTIET has been a trend setter in realizing the industrial needs and satisfying those needs by developing human resource equipped with knowledge, technical skill set and other values essential for good performance. The teaching methodology at MTIET has been successfully integrating the technical and managerial knowledge with the professional inputs from the industry.

MTIET has continued with progress in all areas namely faculty, students, and updating courses and all around placements in top organizations of INDIA as well as 'In' MNCs. It is a matter of great pleasure that we have developed a distinct niche for ourselves. I extend a hearty welcome to all the candidates aspiring to join us.

## **MESSAGE FROM VICE –CHAIRMAN’S DESK**



**SRI M R SUNIL**  
**VICE – CHAIRMAN**

It gives me an immense pleasure in extending a warm welcome to you all. You have entered the portals of MTIET- an institute with a difference. The mark of MTIET has been never ending quest for excellence coupled with a commitment to the professionalism.

The institute organizes regular interaction of students with the professionals from different fields through guest lectures and seminars. We ensure that our students get sufficient exposure of the industry through industrial visits and MoU activities. I am sure that the students of our institute will be amply benefitted for the good work being done by the dedicated faculty and for the good infrastructure available to them.

As a prospective student, you are welcome to explore options that may be available to you in our various academic programs for holistic development

## **MESSAGE FROM ACADEMIC DIRECTOR'S DESK**



**DR. R. RAJENDRA REDDY**

**ACADEMIC DIRECTOR**

My heartily welcome to the news letter at MTIET. I am indeed very happy and proud in bringing this newsletter about the latest developments and programs in the Institute. News letter acts as a communication channel among the alumni, faculty, students and experts in Engineering field.

We are very much grateful to the Management and Principal for their continuous encouragement, inspiration and support extended for the release of this “e-NEWSLETTER”

## DEPARTMENT OF CIVIL ENGINEERING

### Vision

Impart Quality Education to the students so that they can face the current and future challenges with humane approach for sustainable development in Civil Engineering.

### Mission

- To provide value based technical and realtime education to contribute to the field of Civil Engineering.
- To impart soft skills and professional ethics for better prospects.
- To install spirit, commitment and develop skills in students for socio- economic development.
- To develop students for adopting engineering approach to conserve natural resources and to cater to the societal needs.

### Program Educational Objectives (PEO)

**PEO1:**To have strong aptitude and fundamental knowledge in Civil Engineering for successful career.

**PEO2:**To take up research based improvement to provide solutions for technical problems of society.

**PEO3:**To resolve societal, technical /business challenges to hone personal development.

**PEO4:**Enhance professional progress and technical understanding through continuing education for sustainable development.

### Program Specific Outcomes (PSO)

**PSO1:**Able to apply, analyze Civil Engineering knowledge for sustainable development of society and self

**PSO2:** Able to effectively communicate in small and large teams and work as a team member.

**PSO3:** Able to use creativity in design, thermal, industrial engineering to improve civil systems and processes.



- Details of Internships participated by the students**

<b>Name of the Student</b>	<b>Title of the Internship</b>	<b>From</b>	<b>To</b>	<b>Company</b>
ADDANKI SOMASEKHAR	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
BHEEMANENI LAKSHMI	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
GANTA ARUN KUMAR	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
KUMMARAGUNTA SIVAKUMAR	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
PEDDYREDDYGARI MADHAVI	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
SEKHAR SAI PRABHA	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
V J NANDINI PRIYANKA	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
MUGAPPA GARI NAVANEETHA	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
THOTLI MUNISWARNA	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
R N MADHU VAMSI	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
MUNIRATHNAMGARI VIDYA	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES
K M SHANMUGAM	FLOOD ESTIMATION AND ROUTING	11-02-2019	30-03-2019	AKSHITHA AVENUES

- FDPs/ Workshops/ Seminar details attended by the faculty**

<b>Title of the event attended by the faculty</b>	<b>No of faculty attended</b>
A ONE DAY WORK SHOP ON MOTIVATION TO THE STUDENTS IN HIGHER EDUCATION	03

- Number of FDPs/ Workshops/ Seminars organized for the teaching staff**

<b>Title of the Programme</b>	<b>No of staff attended</b>
A SIX DAY NATIONAL WORKSHOP ON PRIMEVERA SOFTWARE	09
A SIX DAY PROFESSIONAL DEVELOPMENT PROGRAM ON PRODUCT DEVELOPMENT AND DESIGN	15
A SIX DAY PROFESSIONAL DEVELOPMENT PROGRAM ON FOUNDATION ANALYSIS BY USING STADD PRO	13



• **Details of the Toppers**

Semester	Reg. No.	Name of the student	Percentage/CGPA
I	19HR1A0117	R CHARANKUMAR	8.28
II	19HR1A0117	R CHARANKUMAR	8.09
III	18HR1A0105	B.PAVAN KALYAN	83.88
IV	18HR1A0105	B.PAVAN KALYAN	78.12
V	17HR1A0122	RAMISETTY NAGA HARICHANDANA	86.75
VI	17HR1A0115	KAPADAM PAVANI YADAV	87.25
VII	16HR1A0117	GOTTAM MONIKA	88.29
VIII	16HR1A0119	K R CHARITHA	92.22



# DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## Vision

To produce accomplished Engineers through eminence education and become a recognized center of excellence in academics, research and technological services in the area of Electrical and Electronics Engineering and related inter-disciplinary fields.

## Mission

- To facilitate the students to work with modern tools, state of art technologies, innovative research capabilities besides inculcating leadership abilities
- To instigate students for propensity to research and innovation by exposing them to industry and societal needs to creating solutions for contemporary problems
- The department endeavours to prepare the students professionally skillful, intellectually proficient and socially responsible.

## Program Educational Objectives (PEO)

**PEO 1:** The graduates employed within engineering field and demonstrate technical competence in providing effective engineering solutions.

**PEO 2:** The graduates will fulfill the needs of society in solving technical problems in an ethical and responsible manner.

**PEO 3:** The graduates will be imbued with self learning qualities evidenced through continuous skill development.

**PEO 4:** The graduates will be oriented towards research in Energy Management and exploration of Non-Conventional energy sources.

## Program Specific Outcomes (PSO)

**PSO 1:** The students will have good knowledge to design, develop and simulate systems using MATLAB and other Engineering application softwares.

**PSO 2:** The students will be able to understand various technologies of Electrical and Electronics Engineering for handling technical issues.

**PSO 3:** The student will be aware of latest development in Electrical and Electronics Engineering as well as machineries used in industries.

### • Details of Add on programmes conducted during the Academic year

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
MATLAB	EEE	17.12.2019 to 22.12.2019	30	60

### • List of Papers Published by the staff in journals

Name of the Staff	Dept	Title of the paper	Name of the Journal	ISSN
HAREESH SITA	EEE	A COMPARATIVE ANALYSIS ON CONTROLLERS OF BEARINGLESS SWITCHED RELUCTANCE MOTOR	JOURNALIMCMS	2349-5162

- **Details of Internships participated by the students**

Name of the Student	Title of the Internship	From	To	Company
A VINAY KUMAR	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
B INDRAJA	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
G BINDUSREE	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
M MANIKANTA	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
S SAMI	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
V BHAYASREE	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
B SAITEJA	TRANSFORMER MANUFACTURING	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES

- **FDPs/ Workshops/ Seminar details attended by the faculty**

Title of the event attended by the faculty	No of faculty attended
A ONE DAY WORK SHOP ON MOTIVATION TO THE STUDENTS IN HIGHER EDUCATION	01
ONLINE TEACHING AND MANAGEMENT	01

- **Details of FDPs/ Workshops/ Seminars organized for the teaching staff**

Title of the events attended by the faculty	No of faculty attended
A FIVE DAY PROFESSIONAL DEVELOPMENT PROGRAM ON LATEX FOR BEGINNERS	10
A FIVE DAY PROFESSIONAL DEVELOPMENT PROGRAM ON MATLAB BASICS AND BEYOND	10

- **Details of Workshops organized for Students**

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
PROGRAMABLE LOGIC CONTROLLER	EEE	23.06.2019 to 28.06.2019	30	62
INTERNET OF THINGS(IOT)	EEE	24.06.2019 to 29.06.2019	30	56



- Details of the Toppers**

Semester	Reg. No.	Name of the student	Percentage/CGPA
I	19HR1A0222	SHAIK NOOR MAHAMMAD	8.44
II	19HR1A0221	S PALLAVI	9.83
III	18HR1A0221	G RAJESWARI	83.12
IV	18HR1A0237	N JAYANTHI	87.18
V	17HR1A0201	A M PRAHLLADA	80.50
VI	17HR1A0201	A M PRAHLLADA	80.67
VII	16HR1A0241	SHAIK MOHAMMED ALI	86.38
VIII	16HR1A0201	ALLA DIVYA SREE	89.60

## DEPARTMENT OF MECHANICAL ENGINEERING

### Vision

To impart technical education for facing challenges with humane approach for sustainable development in Mechanical Engineering.

### Mission

- To provide an environment for technical knowledge gain for overall development of students.
- To create awareness and provide environment for research.
- To instil spirit, commitment and develop skills in students for socio economic development.
- To guide students for adopting engineering approach to conserve natural resources.

### Program Educational Objectives (PEO)

**PEO1:** To have strong aptitude and fundamental knowledge in mechanical engineering for successful career.

**PEO2:** To take up research based improvement to provide solutions for technical problems of society.

**PEO3:** To resolve societal, technical /business challenges to hone personal development.

**PEO4:** Enhance professional progress and technical understanding through continuing education for sustainable development.

### Program Specific Outcomes (PSO)

**PSO1:** Able to apply, analyze mechanical engineering knowledge for sustainable development of society and self.

**PSO2:** Able to effectively communicate in small and large teams and work as a team member.

**PSO3:** Able to use creativity in design, thermal, industrial engineering to improve mechanical system and processes.

### • Details of Add on programmes conducted during the Academic year

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
COMPUTER NUMERICAL CONTROL PROGRAMMING	ME	09.12.2019 to 14.12.2019	30	41
HYPERMESH	ME	09.12.2019 to 14.12.2019	30	60
PRO ENGINEER	ME	09.12.2019 to 14.12.2019	30	47



- **Details of Internships participated by the students**

Name of the Student	Title of the Internship	From	To	Company
B KISHORE KUMAR	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
C VIJAY KUMAR	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
E ARAVIND	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
K PRASHANTH KUMAR	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
L C SANDEEP REDDY	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
M KIRAN KUMAR	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
P YUGANDHAR	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
S R SASIDHAR NAIDU	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS
Y BALAJI CHOWDHARY	INDUSTRIAL ROBOTICS	07-02-2019	30-03-2019	PAWAN EMPOWER SOLUTIONS

- **List of Papers Published by the staff in journals**

Name of the Staff	Dept	Title of the paper	Name of the Journal	ISSN
K.RAJESH KUMAR	ME	MODELING OF A RADIO CONTROLLED PLANE WITH ANALYSIS OF LIFT GENERATION USING ANSYS FLUENT	IJEAT	2348-2136
SATHISH KUMAR V S	ME	THREE WHEEL ELECTRIC CAR	IJIR	2456-3315

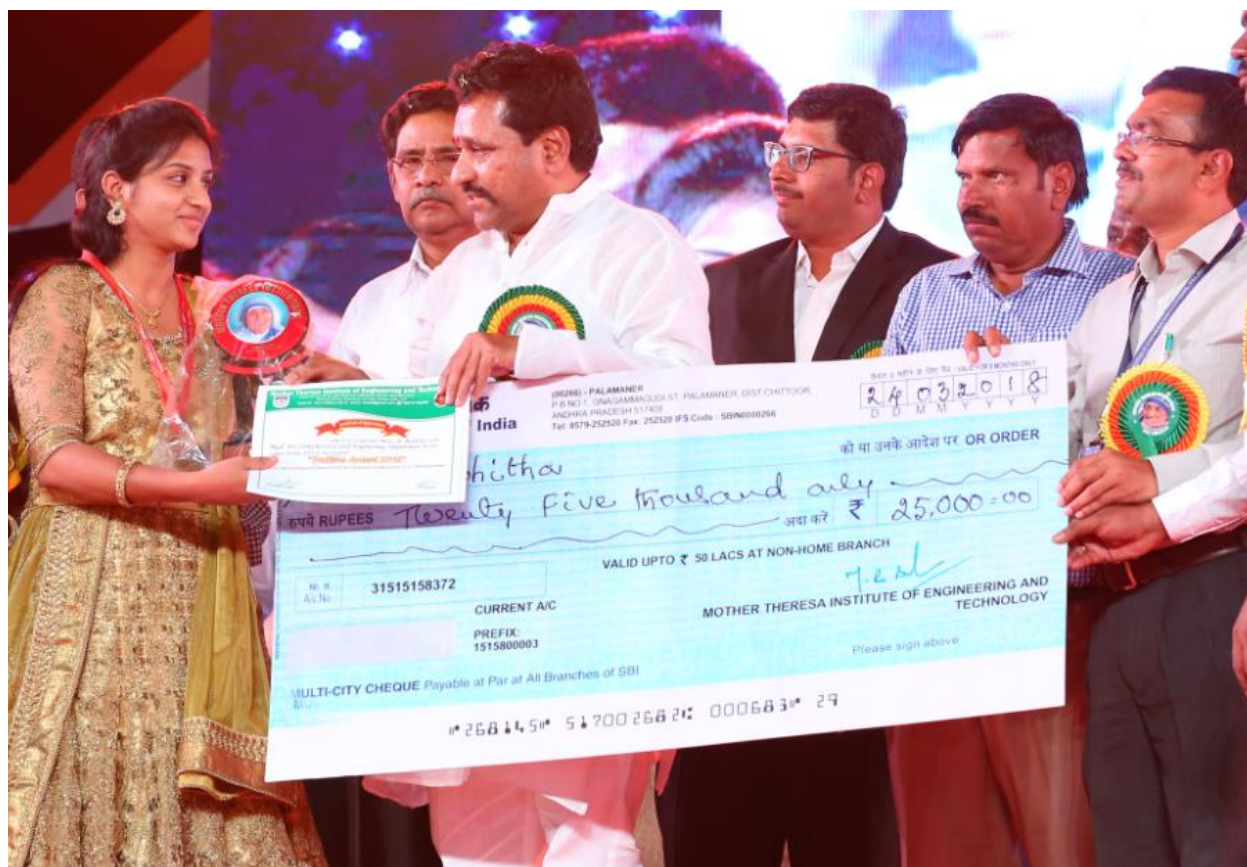


- FDPs/ Workshops/ Seminar details attended by the faculty

Title of the event attended by the faculty	No of faculty attended
A ONE DAY WORK SHOP ON MOTIVATION TO THE STUDENTS IN HIGHER EDUCATION	02
A ONE WEEK NATIONAL WORKSHOP ON "MATERIALS TECHNOLOGY ADVANCEMENT IN CURRENT SCENARIO	01

- Number of FDPs/ Workshops/ Seminars organized for the teaching staff

Title of the Programme	No of staff attended
A ONE DAY NATIONAL LEVEL WORKSHOP ON SCIENTIFIC INJECTION MOULDING PROCESS WITH PLASTIC MATERIAL	11
A SIX DAY PROFESSIONAL DEVELOPMENT PROGRAM ON CHALLENGES IN MECHANICAL ENGINEERING: ADVANCED MANUFACTURING TECHNOLOGY	10



- Details of the Toppers

Semester	Reg. No.	Name of the student	Percentage/CGPA
I	19HR1A0311	K ARUN KUMAR REDDY	8.61
II	19HR1A0311	K ARUN KUMAR REDDY	7.81
III	19HR5A0305	MUDIVETI MANIKANTA	82.5
IV	18HR1A0311	GUDISINTI POORNACHANDU	76.89
V	17HR1A0318	GOVINDARAJGARI VYSHNAVI	83.25
VI	17HR1A0318	GOVINDARAJGARI VYSHNAVI	84.56
VII	17HR5A0305	N SAILESH	85.63
VIII	16HR1A0341	THIMMARAYANNAGARI BHASKAR REDDY	84.13



# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## Vision

To become a center of excellence in the field of Electronics & Communication Engineering by innovative teaching and learning process to develop competent technocrats with professional skills, moral values and social ethics.

## Mission

- To create conducive academic culture for learning and identifying career goals in the field of Electronics & Communication Engineering.
- To impart outcome based technical education in Electronics & Communication Engineering.
- To impart necessary skills and promote professional practice to enhance placement and entrepreneurship in Electronics and Communication contributing to the socio- economic growth.
- To inculcate core values and ethics.

## Program Educational Objectives (PEO)

**PEO1:** To provide exposure to emerging cutting edge technologies, adequate training & opportunities to work as teams on multidisciplinary projects with effective communication skills and leadership qualities.

**PEO2:** To prepare the students for a successful career and work with values & social concern bridging the digital divide and meeting the requirements of multi-national companies.

**PEO3:** To induce a culture of research and development of innovative ideas among students.

**PEO4:** To promote entrepreneurship skills and awareness on the life-long learning and to introduce them to social ethics and codes of professional practice.

## Program Specific Outcomes (PSO)

**PSO1:** Graduates will be able to apply the concepts of Electronics, Communications, Signal processing, VLSI, Image processing etc., in the design and implementation of application oriented engineering systems.

**PSO2:** Graduates will be able to solve complex Electronics and Communication Engineering problems, using modern design tools to analyze and design subsystems/processes for a variety of applications.

**PSO3:** Graduate will possess the communication, aptitude and interpersonal skills to become industry ready.



- **Details of Add on programmes conducted during the Academic year**

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
VLSI DESIGN AND SIMULATION	ECE	16.10.2019 to 21.10.2019	30	125

- **Details of Internships participated by the students**

Name of the Student	Title of the Internship	From	To	Company
B LIJITHA	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
B SRAVANAKUMARI	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C S SREEKANTH	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C GANESH	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
D MADHUSUDHAN REDDY	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G S JAYASREE	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G DIVYASREE	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G VENUGOPAL	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K DIVYA	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K KAVYASREE	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K YASHWANTH	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K PUSHPAVATHI	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
M KISHORE	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
D RANJITHA	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
M NAVEEN KUMAR	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
M NARENDRA	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
P VENNELA	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
P GIRIDHAR REDDY	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS

S P SIVA REDDY	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
S MANOJ KUMAR	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
U DINESH	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
VASAVI N	MOBILE AND HOC NETWORK	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
A B VIDHYA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
B MANASA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
C SAJJAD	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
D ROOPA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
G LAVANYA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
G JASWANATH	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
K CHARAN REDDY	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
K DILEEP	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
K NAGENDRA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
K REDDI KISHORE	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
L SRAVANI	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
M HARIKA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
P SIDDIQ KHAN	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
A MOHAN KUMAR	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
S VINITH KUMAR	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
S SHESHADRI REDDY	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
T VENKATESU	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
V LOHITH REDDY	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES
B URMILA	WIRELESS COMMUNICATION	18-02-2019	31-03-2019	LUMSENSE TECHNOLOGIES



• **List of Papers Published by the staff in journals**

Name of the Staff	Dept	Title of the paper	Name of the Journal	ISSN
PREETHI SUDHA	ECE	RFID BASED INTELLIGENT TROLLEY SYSTEM USING ZIGBEE	JETIR	2456-3315
K. YAMINI	ECE	CLASS ATTENDANCE USING FACE DETECTION AND RECOGNITION WITH OPENCV	IRJET	2349-5125
DR. S. MURALI MOHAN	ECE	EFFECTIVE AND ADAPTIVE LOGIC DESIGN IN VLSI FOR DIGITAL CIRCUIT DESIGNING USING VERILOG	JETIR	0030-3992



- Grants received from Government and non-governmental agencies for research projects

Dept	Title of the project	Sponsored Agency	Amount
ECE	ADVANCED MULTI-CORE EMBEDDED SYSTEMS LAB	AICTE (MODROB-RURAL)	13,31,000/-

- FDPs/ Workshops/ Seminar details attended by the faculty

Title of the event attended by the faculty	No of faculty attended
A ONE DAY WORK SHOP ON MOTIVATION TO THE STUDENTS IN HIGHER EDUCATION	01
ONLINE TEACHING AND MANAGEMENT	04

- Number of FDPs/ Workshops/ Seminars organized for the teaching staff

Title of the Programme	No of staff attended
FACULTY DEVELOPMENT ON NAAC AWARENESS	21

- Details of the Toppers

Semester	Reg. No.	Name of the student	Percentage/CGPA
I	19HR1A04A7	THOTA SUVARNA LATHA	9.11
II	19HR1A0472	NARA RUCHITHA	9.02
III	18HR1A04A5	V S CHAITHANYA	90.50
IV	18HR1A04A5	V S CHAITHANYA	91.25
V	17HR1A0419	DASARI PAVITHRA	87.50
VI	17HR1A0422	DONIPARTHI SIREESHA	78.83
VII	16HR1A0497	SINDHU P	86.50
VIII	16HR1A0442	K AKHILA	92.60

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Vision

To promote excellence and eminence in Computer Science and Engineering by producing committed adroit professionals, with a fine fusion of competitive, consultative, research and life skills.

## Mission

- To make available amenities and expertise to empower students in Computer Science and Engineering.
- To promote and enhance Creative thinking, Leadership qualities, Professional Ethics and Social responsibilities among students by providing value based education.
- Holistic education through student-centric approach and interactive instructions.

## Program Educational Objectives (PEO)

**PEO 1:** Graduates of the program are adequately prepared to be employed in IT industries and Public Sector companies by forecasting a logical and practical approach to problem solving that would prepare them to function effectively as skilled computer engineers.

**PEO 2:** To impart students with solid foundation in mathematics, computing and core engineering fundamentals so as to help them to excel in their professional career or higher education.

**PEO 3:** To promote lifelong learning by encouraging research and an attitude to apply the basic theories learnt during their graduation, leading to the creativity and productivity in their respective fields.

**PEO 4:** To inculcate students with leadership qualities, communication skills and ethical behavior as IT professionals that can lead to positive impact of technology on society.

## Program Specific Outcomes (PSO)

**PSO 1:** Ability to understand and apply the concepts of mathematics, basic sciences, basic computing, in analyzing the real world problems and solving them.

**PSO 2:** Ability to design and develop computer programs/ computer-based systems in the areas related to algorithms, networking, web design, and data analytics using Software engineering principles and practices.

**PSO 3:** Ability to imbibe ethical and professional skills required working in teams and leading the team.

### • Details of Add on programmes conducted during the Academic year

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
UNIX PROGRAMMING	CSE	17.12.2019 to 22.12.2019	30	123

### • Details of Internships participated by the students

Name of the Student	Title of the Internship	From	To	Company
A VYSHNAVI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
A RANJITH KUMAR	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
B ANJANI CAHARITHA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C LAVANYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C SANDHYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS

D VAMSI KRISHNA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K BENIAL JOSHUA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K BHARATHI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K GOWTHAMI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K SREEKANTH	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
R RAJU	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
S SANIYA BI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
V SIVA KUMAR	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
A REVATHI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C KAVYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
C UMA PRIYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G JYOTHIKA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G TEJA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
G CHANDANA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K ANIL KUMAR	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K LAVANYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K VENEELA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
K HARIKA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
M KAVITHA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
M SOWMYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
P BALAJI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
R HEMADRI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
S ASHRAF VALLI	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
V ARSHIYA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS
Y JOSHNA	CRYPTOGRAPHY	04-02-2019	31-03-2019	GRACE SOFTSOLUTIONS

- **Details of workshop organized for students**

Title of the programme	Dept	Date(s)	Duration (Hr)	No. of students enrolled
PYTHON PROGRAMMING	CSE	24.06.2019 to 29.06.2019	30	114
DATA SCIENCE AND BIG DATA ANALYTICS	CSE	23.06.2019 to 28.06.2019	30	116

- **List of Papers Published by the staff in journals**

Name of the Staff	Dept	Title of the paper	Name of the Journal	ISSN
DR. G. RAMA SUBBA REDDY	CSE	THE STUDY OF LAYERS AND SECURITY ISSUES IN IOT FOR HOME AUTOMATION APPLICATIONS	JETIR	2456-3315
N.V.NEERAJA	CSE	USING TEXTUAL AND BINARY FORMATS FOR STORING DATA IN R-PROGRAMMING	IJSDR	2455-2631
DR. G. RAMA SUBBA REDDY	CSE	AN EFFICIENT SEMANTIC SEGMENTATION USING NEURAL NETWORK BASED E-NET ARCHITECTURE	IJSRCSAMS	2349-5162
P.SUMAN KUMAR	CSE	COLLEGE COLLABORATION PORTAL WITH TRAINING AND PLACEMENT	IJSDR	2349-5162
DR.G. RAMASUBBA REDDY	CSE	CRYPTOGRAPHIC ALGORITHMS ARE USED IN CLOUD COMPUTING FOR SECURITY: A STUDY	JETIR	2319 – 1953



- **FDPs/ Workshops/ Seminar details attended by the faculty**

Title of the event attended by the faculty	No of faculty attended
ONLINE TEACHING AND MANAGEMENT	03
INTRODUCTION TO BLOCK-CHAIN TECHNOLOGIES	14

- Number of FDPs/ Workshops/ Seminars organized for the teaching staff

Title of the Programme	No of staff attended
A NATIONAL LEVEL WORKSHOP ON PYTHON PROGRAMMING	23
FACULTY DEVELOPMENT ON NAAC AWARENESS	20
A SIX DAY PROFESSIONAL DEVELOPMENT PROGRAM ON PYTHON BASICS IN ASSOCIATION WITH APSSDC	15



- Details of the Toppers

Semester	Reg. No.	Name of the student	Percentage/CGPA
I	19HR1A0577	MALLU REDDY BHARGAVI	9.39
II	19HR1A0517	B V MANOJ KUMAR	9.21
III	18HR1A0533	G.POORNIMA	82.25
IV	18HR1A05A0	T SWETHA	84.11
V	17HR1A0519	EMURU GAYATHRI	83.63
VI	17HR1A0593	T BHARATH KUMAR	87.22
VII	16HR1A05A6	V RAMYA	79.75
VIII	16HR1A0508	B LAKSHMI	92.60

## DEPARTMENT OF SCIENCE AND HUMANITIES

- Details of internships participated by the students**

Name of the company	From	To	No. of students participated
PAWAN EMPOWERS SOLUTIONS	07.02.2019	30.03.2019	06
AKSHITHA AVENUES	11.02.2019	30.03.2019	09
GRACE SOFTSOLUTIONS CHENNAI	04.02.2019	31.03.2019	52
LUMSENSE TECHNOLOGIES CHENNAI	18.02.2019	31.03.2019	26
PAWAN EMPOWERS SOLUTIONS	07.02.2019	30.03.2019	09
AKSHITHA AVENUES	11.02.2019	30.03.2019	12

- Details of workshops/seminars participated by the students**

Name Of The Workshop/ Seminar	Number Of Participants	From	To
FOG COMPUTING	172	20-03-2019	20-03-2019
EXPLORE ENGLISH GRAMMER & WRITE THE BEST	132	10-07-2019	11-07-2019
REVIT SOFTWARE	63	04-02-2019	09-02-2019
INTERNET OF THINGS	124	11-02-2019	16-02-2019
INNOVATIVE THOUGHTS IN SCIENCE & ENGINEERING	170	18-03-2019	19-03-2019
ROBOTICS	134	25-03-2019	30-03-2019
ADVANCED MACHINE LEARNING AND DATA ANALYTICS	62	25-03-2019	29-03-2019
DIGITAL TRANSFORMATION AND INDUSTRIAL REVOLUTION	46	09-06-2020	09-06-2020
SELF HEALED PAVEMENTS	44	18-06-2019	18-06-2019

- Details of capacity building and skills enhancement initiatives**

Name of the capability enhancement scheme	Date of Commencement	Number of students enrolled
YOGA	21.06.2019	98

- Number of FDPs/ Workshops/ Seminars organized for the teaching staff

Title of the Programme	No of staff attended
FACULTY DEVELOPMENT ON NAAC AWARENESS	09



- Workshops/ Seminar details attended by the non-teaching staff

Title of the event attended by the non-teaching staff	Date	No. of staff attended
A THREE DAY PROFESSIONAL DEVELOPMENT PROGRAM ON NETWORKS OF COMPUTER SYSTEMS	15-03-2019 TO 17-03-2019	07
A ONE DAY TRAINING PROGRAMME ON FIRE SAFETY	21-4-2019	07

- Campus Placements details in the Academic Year

Name & Details of the company	No. of Students placed
IKS HEALTH	46
KARVY	75
MULTIPLIER IT SOLUTIONS	60
ONEGENE	24
POWERICA	57
RAJGURU SPINNING	51
RIALTO	93
SAVANTIS-REVANTH	84
SYNTEX	83
SUTHERLAND GLOBAL SERVICE	81

TCS	23
TECH MAHINDRA	92
TECHNOSOFT	67
TOPPR TECHNOLOGIES	23
WIPRO	93
WONJIN AUTO PARTS	26

- Details of the sports & games activities participated by the students**

<b>Date of the activity</b>	<b>Name of the activity</b>
23.01.2019	CAROMS
24.01.2019	CHESS
24.01.2019	BASKETBALL
25.01.2019	CRICKET
26.01.2019	BADMINTON
28.1.2019	VOLLEYBALL
28.01.2019	THROWBALL

- Programs organized the Institution towards sensitization of community**

<b>Title of the event</b>	<b>Date</b>	<b>No. of students participated</b>
AWARENESS ON INDIAN CONSTITUTION DAY	26.01.2019	129
ORGANIZED VANAM MANAM PROGRAME	01.02.2019	230
ORGANIZED BLOOD DONATION CAMP	05.02.2019	245
ORGANIZED MEDICAL CAMP	28.02.2019	123
AWARENESS PROGRAM ON ANTI RAGGING	01.03.2019	97
ORGANIZED ON WOMEN'S DAY CELEBRATIONS	08.03.2019	72
SANKRANTHI	12.01.2019	129
HOLI	20.03.2019	230

INTERNATIONAL WOMENS DAY	08.03.2019	245
YOGA DAY	21.06.2019	97
AWARENESS PROGRAM ON VALUES, RIGHTS AND RESPONSIBILITIES OF CITIZENS	23.01.2019	129
AWARENESS PROGRAM ON TRAFFIC RULES	21.08.2019	234
AWARENESS ON INDIAN CONSTITUTION DAY	29.10.2019	124
LEGAL AWARENESS PROGRAMME	02.11.2020	198
ONAM	12.09.2019	76
DIWALI	26.10.2019	79
CHRISTMAS	23.12.2019	47



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24.01.2019	CHESS

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25.01.2019	CRICKET
26.01.2019	BADMINTON
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