

## M.TECH (COMPUTER SCIENCE AND ENGINEERING)

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1:** To provide an environment that gives hands on experience in Modeling, Designing, Implementing, and evaluating various software development concepts, processes and products.
- PEO2:** To afford graduates with both fundamental and advanced knowledge which prepares them to possess integrated and ethical behavior as an individual, team member and a leader to handle diverse career paths.
- PEO3:** To produce high quality graduates to design and implement solutions for rapidly changing computing and information system problems and to encourage lifelong learning to adapt innovation.

### PROGRAM OUTCOMES (POs)

- PO1: RESEARCH SKILLS**  
An ability to independently carry out research / investigation and development work to solve practical problems.
- PO2: SOFT SKILLS**  
Ability to write and present a substantial technical report / document.
- PO3: SCHOLARSHIP OF KNOWLEDGE**  
Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program at a level higher than the relevant bachelor program.
- PO4: PROBLEM SOLVING**  
Apply the knowledge of engineering principles to develop software systems, products and processes thus to solve real world multifaceted problems.
- PO5: COLLABORATIVE AND MULTIDISCIPLINARY WORK**  
Posses knowledge and understand group dynamics, collaborate and contribute in the design, development and conducting experiments, procedures and technical skills necessary for multidisciplinary engineering exploration to solve societal problems and environmental contexts for sustainable development.
- PO6: ETHICAL PRACTICES AND SOCIAL RESPONSIBILITY**  
Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and to be responsible in contributing for the sustainable development of the society.

### PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1: DEVELOPMENT AND ASSESSMENT SKILLS:**  
Ability to Design, Develop and Analyze software development tools, processes and systems using formal methods in applying problem solving skills and be employable in product or service oriented Industry.
- PSO2: RESEARCH & DEVELOPMENT & INNOVATION SKILLS:**  
Ability to take up effectively the challenges in higher Studies, Research & Development, and Entrepreneurship in the modern high speed computing environment.



EAMCET/ICET/PGCET : MLRD



[www.mrcet.ac.in](http://www.mrcet.ac.in)



## MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC - 'A' Grade - ISO 9001:2015 (Certified)