

MASTER OF COMPUTER APPLICATIONS

VISION AND MISSION OF THE INSTITUTION

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.

VISION AND MISSION OF THE DEPARTMENT

Vision

To provide quality education to the students and make them excel in the field of electrical engineering, with proficiency and ethics, to meet the challenges from society

Mission

Impart quality education and advancements in program studies to produce engineers with scientific temperament and moral values in the field of electrical engineering.

Create and develop research culture with deep sense of commitment and enable the industries to adopt the research outputs.

Develop innovative solutions for problems in electrical engineering for the welfare of all sections of the society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The Programme Educational Objectives of the M.C.A at MITS, Madanapalle are:

- PEO 1-To prepare the students technically competent, skilled for bright and success careers in software industry and academia by providing an environment to enlighten the importance in the core areas of higher studies and research.
- PEO 2-To provide a strong foundation in Mathematics, Computer Science Techniques and Programming fundamentals to solve the problems of real time and research. To hone the skills and make them to excel in System Analysis and Design, Project Planning and Development, System Development or Entrepreneurship.
- PEO 3- To train the students with strong technical and managerial skills to understand and analyze to design and develop the applications and solution to meet the solution for real time problems. Also to give students a sound and competent theoretical and technical oriented courses to understand and expertise in latest computer software.
- PEO 4- To motivate the students to have professional and ethical attitude, potent communication skills, leadership and team work skills, multidisciplinary approach and ability to apply computer applications in extensive context.
- PEO 5- To provide an excellent academic environment to meet the qualities of leadership, ethical codes and guidelines and continuous learning for a successful professional career. To disseminate extensive knowledge with an equal importance on both theory and practice.

PROGRAMME OUTCOMES (POs)

At the end of the programme, MCA students will be able to

- PO1: Apply knowledge of Mathematics in the field of science and engineering for proficient analysis of problems, making them to solvable using software technique and tools.
- PO2: Apply knowledge of Data Structures, Database Management & Programming Languages with an efficient way of interpreting of data to meet the project requirements.
- PO3: Analyze the problem, designing solution using software with tools, developing system software model, to meet desired needs of the customers.
- PO3: Adapting the emerging trends in the field of Information Technology to meet the demands of the market.
- PO4: Converse successfully and to work effectively as a team member and as well as a leader while working within a team or with multidisciplinary teams.
- PO5: Meet the goals of the organization in emerging topics and the recent development in their field of computer applications.
- PO6: Experience of life-long learning with self-improvement, personal enrichment and professional development in line with individual and society