

School of Computing
Department of Computer Applications
For MCA Degree Programme

Department Vision:

To be a center of excellence in Computer Applications through academic excellence, innovative research, digital transformation, ethical values, and community engagement, nurturing globally competent, industry-ready, and socially responsible professionals for sustainable development

Department Mission:

M1: Deliver quality and inclusive education through an industry-aligned curriculum, experiential learning, emerging technologies, and continuous curriculum enhancement to develop competent computing professionals.

M2: Foster research excellence, innovation, entrepreneurship, interdisciplinary collaboration, and lifelong learning through projects, funded research, publications, consultancy, incubation, and industry partnerships.

M3: Develop ethical leadership, professional competence, global perspectives, communication skills, teamwork, and social responsibility by promoting community engagement, sustainable development, and responsible computing practices.

Program Educational Objectives (PEOs):

PEO1: Excel as competent computing professionals by applying strong technical knowledge, emerging technologies, and problem-solving skills in the software and IT industry.

PEO2: Develop innovative, sustainable, and ethical technology solutions through research, entrepreneurship, and professional practice to address industry and societal challenges.

PEO3: Become globally competent, socially responsible, and ethical professionals committed to leadership, lifelong learning, and continuous professional development.



Program Outcomes (POs):

PO	Statement
PO1:	Foundation Knowledge: Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
PO2:	Problem Analysis: Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.
PO3:	Development of Solutions: Design, develop and investigate problems with as an innovative approach for solutions incorporating ESG/SDG goals.
PO4:	Modern Tool Usage: Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.
PO5:	Individual and Teamwork: Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.
PO6:	Project Management and Finance: Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.
PO7:	Ethics: Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware
PO8:	Life-long learning: Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.

Sustainable Development Goals:



Head of Department

(Signature and Seal)
Computer Applications
Madanapalle Institute of Technology
Deemed to be University
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