

MCA

MCA Programme Educational Objectives (PEOs):

PEO1: To equip students with a strong foundation in computing, programming languages, and software development methodologies.

PEO2: To develop graduates with the ability to apply theoretical knowledge in practical situations, adapting to evolving technologies and practices.

PEO3: To foster innovative thinking, critical problem-solving abilities, and analytical skills in students.

Programme Outcomes (POs):

PO1: Computational Knowledge- Apply knowledge of mathematics, computer science, and domain-specific computing to solve real-world problems. Use this foundation to design and develop software solutions that meet specified requirements.

PO2: Problem Analysis- Identify, formulate, and analyze complex computing problems using appropriate principles of mathematics, computing, and relevant domain knowledge. Derive conclusions by exploring research-based knowledge and methodologies.

PO3: Design and Development of Solutions- Design, implement, and evaluate computing-based solutions to meet desired needs, considering the constraints of economic, environmental, social, ethical, and sustainability factors

PO4: Modern Tool Usage- Use contemporary tools, techniques, and frameworks necessary for computing practices. Demonstrate the ability to integrate software and hardware to build efficient, secure, and scalable systems.

PO5: Professional Ethics- Understand and commit to professional ethics, responsibilities, and norms in the computing field. Make informed decisions that reflect social, environmental, and ethical considerations.

PO6: Teamwork and Leadership- Function effectively as an individual, and as a member or leader in diverse teams and multidisciplinary settings. Demonstrate project management and team coordination skills to accomplish common goals.

PO7: Entrepreneurship- Ability to identify entrepreneurial opportunities and leverage managerial and leadership skills for founding, leading and managing startups as well as professionalizing and growing family businesses.

PO8: Communication Skills- Ability to Communicate effectively with a range of audiences. Demonstrate the ability to write reports, design documentation, give presentations, and communicate technical information clearly and concisely.

PO9: Research and Critical Thinking- Develop research capabilities, formulate research questions, and apply computational research methods to solve advanced technical problems. Demonstrate critical thinking and the ability to engage in knowledge discovery.

PO10: Data-Driven Decision Making– Ability to analyze data, generate insights, and make decisions based on data analytics techniques. Develop data-centric applications and decision support systems.

MCA Programme Specific Outcomes (PSOs)

The post graduates will demonstrate

PSO1: Software Development Competence: - Problem Solving and Critical Thinking

PSO2: Advanced Computing Skills: -Technical Knowledge and Expertise

PSO3: Artificial Intelligence and Machine Learning Applications:-Innovation