DEPARTMENT OF COMPUTER APPLICATIONS

Programme Educational Objectives (PEOs)

- MCA Graduates will be able to progress career productively in software industry, academia, research, entrepreneurship pursuits, government, consulting firms and other IT enabled services.
- MCA Graduates will be able to achieve peer-recognition as an individual or in a team by adopting ethics and professionalism, and communicate effectively to excel well in crisis and inter-disciplinary teams.
- MCA Graduates will be able to continue life-long professional development in computing and in management that contributes in self and societal growth.

Programme Outcomes (POs)

MCA Graduates will be able to:

PO1: Computational Knowledge:
Apply knowledge of mathematics, management, computing fundamentals, computing specialization and domain knowledge for the abstraction and conceptualization of computing models from defined problems to various real life applications for any given requirements. (K3)

PO2: Problem analysis:
Understand and analyse a given real-world problem and propose feasible computing solutions. (K4)

PO3: Design/development of solutions:
Analyse customer requirements, create high-level design, and select modern computing tools and techniques and use them with dexterity and integrate it to all computer applications. (K4)

PO4: Conduct investigations of complex problems:
Transform complex business scenarios and contemporary issues to problems, investigate,
understand and propose integrated solutions to meet desired needs within realistic constraints such as safety, security and applicability especially following cyber regulations using emerging technologies. (K5)

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PO5: Modern tool usage:
Develop the expertise in using modern hardware and software tools which can applied in professional career consecutively to provide innovative software solutions. (K3)

PO6: Professional Ethics
Recognize the social, professional, cultural and ethical issues involved in the use of computer technology and give them due consideration in developing software systems as broadly educated, expressive, ethical and responsible citizens with proven expertise to solve computer problems for the betterment of the society

PO7: Life-long learning
Recognize the importance of goal setting and to recognize the need for life-long learning for a continued career development and progress as a computer professional

PO8: Project management and finance
Master fundamental project management skills, concepts and techniques, set attainable objectives and ensure positive results, meeting scope, time and budget constraints

PO9: Communication Efficacy
Communicate technical information effectively, both orally and in writing such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO10: Societal and Environmental Concern:
An ability to devise and conduct experiments, interpret data and provide well informed conclusions for problems which will have high social and environmental impact.

PO11: Individual and Team Work
Work collaboratively as a member or leader in multidisciplinary teams with positive attitude to demonstrate computing and management skills and acquire good conflict resolutions skills.

PO12: Innovation & Entrepreneurship:
Develop the talent to articulate innovative ideas and implement them using the acquired expertise and apply the inherent skills with absolute focus to function as an successful entrepreneur.