Master of Computer Applications Programme (MCA)
(2022 Course)
(Under Choice Based Credit System)

PROGRAMME OBJECTIVES

- **1**: To build a strong foundation for students to become proficient in all academic concepts and technical skills necessary to become an IT Professional.

- **2:** To provide a conducive environment for designing, implementing and testing various software applications through Software Development.

- **3:** To keep the students and faculty abreast with the emerging technologies in the field of computer applications.

- **4:** To bring professionalism amongst the students and promote holistic development.

- **5: To involve students in sustainable IT practices and community services.**

PROGRAMME OUTCOMES (PO)

- **PO1: Computational Knowledge:** Apply knowledge of computing fundamentals, mathematics and given domain to design appropriate models for a given problem and/or requirements.

- **PO2: Problem Analysis:** Apply fundamental knowledge of software engineering and various systems domain in order to analyze, identify, formulate and provide the solution to given problem.

- **PO3: Design/Development of Solutions:** Design and evaluate solutions, systems, modules and processes for specified set of needs with appropriate consideration of societal values and industry expectations.

- **PO4: Conduct research in Computing problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

- **PO5: Modern Tool Usage:** Use of modern tools for delivering milestones like problem analysis, design, development, testing and deployment.

- **PO6: Professional Ethics:** Learn and inculcate professional ethics, cyber regulations, professional responsibilities and norms of professional computing world.

- **PO7: Lifelong Learning:** Acknowledge the need for continuous professional development and practice it through self-motivated, independent learning.

- **PO8: Management Domain:** Involving in projects development as individual or group to solve problems in various domains and environments using computational and management skills.

- **PO9: Communication Efficacy:** Demonstrate efficacy in verbal and non-verbal means of communication like reports, design documentation and presentations to elaborate about complex computing.

- **PO10: Innovation and Entrepreneurship:** Provide conducive environment for innovation and entrepreneurship leading to solutions for betterment of society.

PROGRAMME SPECIFIC OUTCOMES (PSO)

- **PSO1**: Ability to learn the various programming languages with database concepts and development environment

- **PSO2** : Ability to apply theoretical and practical knowledge to solve business problems in effective software solution through data communication technology concepts.

- **PSO3** : Enrich the knowledge in the areas of Advanced technologies and business practices.

- **PSO4** : Foster analytical and critical thinking abilities for efficient programming

- **PSO5** : Flourish the innovation and research attitude to develop IT artefact.

- **PSO6** : Maintain the personality with environmental and social concerns