

## **MCA PROGRAMME OUTCOME**

Programme outcomes are declarations that express the purpose of a study program. Programme outcomes specifically refer to the knowledge and skills that a student should possess at the conclusion of the programme. They are frequently thought of as the competencies that students will have attained by the time they achieve their desired degree. The Bengaluru City University as defined the MCA Programme outcomes are as follows:

- **PO 1: Computational Knowledge:**

Understand computing and optimization techniques using mathematics and computational models for solving real-world practical problems

- **PO 2: Problem Analysis:**

Formulate the problem in familiar and non-familiar contexts, conduct the feasibility study, and solve real-world problems through analysis that aims for optimal solutions

- **PO 3: Design / Development of Solutions:**

Design and develop solutions for real-world problems by identifying relevant assumptions and formulating arguments, which provides user satisfaction in the multi-disciplinary sector

- **PO 4: Conduct investigations of complex Computing problems:**

Conduct literature surveys through research papers, and survey techniques to extract information to understand complex problems, formulate hypotheses, and test them with qualitative and quantitative data.

- **PO 5: Usage of Modern Tools:**

Develop or select, and apply relevant algorithms/techniques, and resources, using modern IT tools to solve complex computing problems and use appropriate software for analysis of data.

- **PO 6: Professional Ethics:**

Understand professional ethics, cyber ACT/ regulations, and responsibilities with societal concern and adopt objective, unbiased and truthful actions in all aspects of work.

- **PO 7: Life-long Learning:**

Engage in the lifelong learning experience to gain and improve knowledge and competency as a computing professional and to inculcate a healthy attitude for lifelong learning.

- **PO 8: Project Management and Finance:**

Demonstrate knowledge and understanding of software engineering and management

principles and manage projects efficiently as a leader considering economical parameters.

- **PO 9: Communication Efficacy:**

Communicate effectively with the computing community and with society effectively by writing technical documentation, giving presentations, discussing instructions, and constructing logical arguments using the correct technical language related to the field.

- **PO 10: Societal and Environmental Concern:**

Understand responsibilities and consequences based on societal, environmental based national, or international issues relevant to computing techniques and contribute to nation building.

- **PO 11: Individual and Teamwork:**

Work effectively as an individual, as a member, or as a leader inspiring people in teams in multidisciplinary sectors.

- **PO 12: Innovation and Entrepreneurship:**

Identify an opportunity for innovation in day to-day activities and enable an ecosystem to look for innovation opportunities that will help a large set of people be happy and thus allowing them to focus on improving what they do.