

## **DEPARTMENT OF COMPUTER APPLICATIONS, MES COLLEGE MARAMPALLY**

### **Programme Outcomes, Programme Specific Outcomes and Course Outcomes**

#### **Programme: MSc – Computer Science (MSc-CS)**

The MSc-CS is a two-year graduate programme. On successful completion of this programme, the students can be able to apply the methods and procedures of Computer Science as a tool to design, implement, test, document, and maintain a Computer-Based System. They are also able to apply research methods, techniques, and problem solving approaches from the field of research in which they are specializing.

#### **Programme Outcomes:**

- PO1: The primary goal of the programme is to provide students the foundations for future work and careers in computation-based problem solving.
- PO2: Possess practical and theoretical knowledge of Computer Science and Software Engineering in order to acquire sufficient earning for living and contribute to the economic development of the region, state and the nation.
- PO3: Understand and respect the professional standards of ethics expected of computer scientists and software engineers and appreciate the social impact of computing.
- PO4: Students will be able to demonstrate a broad knowledge of Computer Science which includes data structures, operating systems, computer programming skills, computer organization, algorithm design, and automata theory.

#### **Programme Specific Outcomes:**

- PSO1: Create research contributions in the area of Computing/IT and ITES.
- PSO2: Be prepared for advanced education in computer science and software engineering.
- PSO3: Development of analytical skills, acquisition of knowledge and understanding of systems, languages and tools required for effective computation-based problem solving.
- PSO4: Recognize the importance and possess the skills necessary for life-long learning and students expected to demonstrate the ability to communicate effectively and to work as a team.
- PSO5: Students will gain a substantial knowledge of one of the following Computer Science specialties: Database Management, Networking, Artificial Intelligence, Information Security, Computer Engineering, etc.