

## **Department Computer Science & Engineering**

**Faculty of Science, Technology and Architecture**

**Manipal University Jaipur, Jaipur, Rajasthan**

### **Program Outcomes (POs) for M. Tech. Program**

**PO1:** An ability to independently carry out research /investigation and development work to solve practical problems.

**PO2:** An ability to write and present a substantial technical report/document.

**PO3:** Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

### **Program Specific Outcomes:**

**PSO1:** Apply mathematical concepts, algorithms, and artificial intelligence techniques to analyze, model, and simulate complex engineering and real-world problems effectively.

**PSO2:** Design and develop cost-effective, secure, and scalable software systems that address specific user requirements while considering environmental sustainability and societal impacts.

### **Program Educational Objectives**

**PEO:1** To develop computer science professionals who can independently conduct high-quality research in emerging domains like AI, Quantum Computing, and Cybersecurity, providing innovative solutions and technical leadership in academia, industry, and entrepreneurship.

**PEO:2** To prepare graduates with advanced expertise in specialized computer science domains beyond undergraduate level, strong technical communication skills, professional ethics, and ability to work in multidisciplinary teams while engaging in lifelong learning and contributing to technological advancement.