

M.E. (INFORMATION TECHNOLOGY)

PROGRAMME EDUCATIONAL OBJECTIVES

1. Engineers will practice the profession of engineering using a systems perspective and analyze, design, develop, optimize & implement engineering solutions and work productively as engineers, including supportive and leadership roles on multidisciplinary teams.
2. Continue their education in leading graduate programs in engineering & interdisciplinary areas to emerge as researchers, experts, educators & entrepreneurs and recognize the need for, and an ability to engage in continuing professional development and life-long learning.
3. Engineers, guided by the principles of sustainable development and global interconnectedness, will understand how engineering projects affect society and the environment.
4. Promote Design, Research, and implementation of products and services in the field of Engineering through Strong Communication and Entrepreneurial Skills.
5. Re-learn and innovate in ever-changing global economic and technological environments of the 21st century.

PROGRAMME OUTCOMES (PO)

After the successful completion of the M.E. (Information Technology) degree programme, the students will be able to:

PO1: Apply knowledge of computing, mathematical foundations, algorithmic principles, and engineering theory in the modelling and design of systems to realworld problems (fundamental engineering analysis skills).

PO2 : Apply and integrate knowledge and understanding of other engineering disciplines to support study of their own engineering discipline. 10

PO3: Design and conduct experiments, as well as to analyze and interpret data (information retrieval skills). Practical application of engineering skills, combining theory and experience, and use of other relevant knowledge and skills.

PO4: Analyze a problem, identify, formulate and use the appropriate computing and engineering requirements for obtaining its solution (engineering problem solving skills).

PO5: Understand the appropriate codes of practice and industry standards.

PO6: Identify, classify and describe the performance of systems and components through the use of analytical methods and modelling techniques.

PO7: Investigate and define a problem and identify constraints including environmental and sustainability limitations, health and safety and risk assessment issues.

PO8: Communicate effectively, both in writing and orally (speaking / writing skills).

PO9: Understand professional, ethical, legal, security and social issues and responsibilities (professional integrity).

PO10: Formulate and solve moderately complex engineering problems, accounting for hardware/software/human interactions.

