

M.Tech. IT R2025
PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates of the M.Tech. Information Technology program will be able to

PEO1: Apply domain knowledge and skills of information technology to succeed in professional careers and/or higher studies

PEO2: Design and implement hardware and/or software-related engineering solutions applying the principles and practices of computing, grounded in mathematics and science, to meet industrial & societal demands and/or productively engage in research

PEO3: Function as an individual or in multi-disciplinary teams, by creatively solving problems and communicating effectively

PEO4: Contribute to society, by functioning ethically and responsibly, and involving in professional and social activities for sustainable developments

PROGRAM OUTCOMES (POs)

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 specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1. An ability to apply modern IT tools and techniques to solve engineering problems, and provide sustainable development in societal and environmental contexts, while following ethical engineering practices.

PSO2. An ability to demonstrate an understanding of engineering and management principles along with an ability to adapt to technological changes towards execution and management of projects, either as an individual or as a team member.

PSO3. Design, develop and deploy artificial intelligence-based software-intensive solutions, by applying acquired knowledge of IT and allied thrust areas, and by conducting research-based investigations.