



Department of Computer Science & Engineering

Birla Institute of Technology, Mesra, Ranchi - 835215 (India)

M.Tech in Information Technology

Programme Educational Objectives (PEOs)

PEO1: Students are trained in such a way that makes them capable of exploiting and enhancing theoretical and practical knowledge in various domains of information technology.

PEO2: Students are imparted with strong base of knowledge that makes them suitable for industry, teaching and research.

PEO3: Students are trained to develop practical and efficient solutions to the challenges in the growing field of IT industry to gain leadership positions in their organization and/or teams.

PEO4: Students are inculcated with the sensitivity towards ethics, public policies and their responsibilities towards the society to gain trust and respect of others as ethical team members.

PROGRAM OUTCOMES (POs)

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

PO2: 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.

PO4: In depth understanding of fundamental principles and concepts of various domains of Information Technology.

PO5: Ability for analytical and critical thinking in order to analyse, design and improve existing tools and techniques.

PO6: Ability to solve practical problems and have a promising career in academics as well as industry.

PROGRAM SPECIFIC OUTCOMES (PSOs)

On successfully completing the program a graduate shall

PSO 1: Possess ability to select, design, integrate and administer IT-based solutions based on the requirements using current and emerging technologies.

PSO 2: Have the ability to synthesize and evaluate models for IT management, manage the various aspects of an IT organization, using accepted standards and best practices.

PSO 3: Acquire knowledge to specify, analyze & design a usable computing system that efficiently utilizes system software and hardware to cover current user requirements in a socially and economically acceptable form