



Department of Computer Science & Engineering

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

M.Tech Computer Science and Engineering

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 Computer Science.

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

PEO3: Students are trained to develop practical and efficient solutions to the challenges in the growing field of software 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: 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.

PO4: In depth understanding of fundamental principles and concepts of various domains of Computer Science.

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

PO6: Knowledge of contemporary issues in the field of Computer Science and ability to engage in lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

On successfully completing the program a graduate shall

PSO 1: Possess ability to assimilate an in depth understanding of fundamental principles and concepts of various domains of Computer Science, communication, networking, and other relevant areas.

PSO 2: Have the ability for analytical and critical thinking for real world problems, design using their technical knowledge and improve existing tools and techniques.

PSO 3: Gain knowledge of contemporary issues in the field of Computer Science and acquire the ability to engage in lifelong learning.