Department of Computer Science & Engineering
Birla Institute of Technology, Mesra, Ranchi - 835215 (India)

M.Tech in AIML

Institute Vision

To become a Globally Recognized Academic Institution in consonance with the social, economic and ecological environment, striving continuously for excellence in education, research and technological service to the National needs.

Institute Mission

To educate students at Undergraduate, Postgraduate, Doctoral, and Post-Doctoral levels to perform challenging engineering and managerial jobs in industry.

- To provide excellent research and development facilities to take up Ph.D. programmes and research projects.
- To develop effective teaching and learning skills and state of art research potential of the faculty.
- To build national capabilities in technology, education and research in emerging areas.
- To provide excellent technological services to satisfy the requirements of the industry and overall academic needs of society.

Department Vision

The department strives to be recognized globally for outstanding education and research, leading to excellent professionals and innovators in the field of Computer Science and Engineering, who can positively contribute to the society.

Department Mission

To impart quality education and equip the students with strong foundation that could make them capable of handling challenges of the new century.

2. To maintain state of the art research facilities and facilitate interaction with world's leading universities, industries and research organization for constant improvement in the quality of education and research.

Programme Educational Objectives (PEOs) – M.Tech in AIML

The program aims:

PEO1: To train the students in such a way that makes them capable of exploiting and enhancing theoretical and practical knowledge in the domain of machine learning and artificial intelligence.

PEO2: To impart students with a strong base of knowledge that makes them suitable for both industry teaching and research.

PEO3: To train the students to develop practical and efficient solutions to the research challenges in the growing field of artificial intelligence to gain leadership positions in the organization and/or teams.

PEO4: To inculcate students 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) for MTech (AIML)

The program will enable students to possess:

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: An ability 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 machine learning and artificial intelligence.

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

PO6: Knowledge of contemporary issues in the field of machine learning and artificial intelligence and ability to engage in lifelong learning.