ARTIFICIAL INTELLIGENCE

Learning Outcomes

The specific learning objectives of the MPS-AI program are to teach students to achieve proficiency in the following areas:

- KNOW: Graduates will be able to demonstrate appropriate breadth and depth of interdisciplinary knowledge, and comprehension of the major issues in artificial intelligence and machine learning.
- APPLY/CREATE: Graduates will be able to acquire relevant datasets and identify and develop appropriate AI/ML algorithms to solve contemporary challenges.
- COMMUNICATE: Effectively communicate the major issues of artificial intelligence and its applications including theories, approaches, findings, and implications both technical and ethical.
- THINK: Graduates will be able to discriminate between state-of-the-art techniques in neural network architecture, machine learning, deep learning, and collective intelligence to determine the appropriate approach for a given problem.
- PROFESSIONAL PRACTICE: Know and conduct themselves in accordance with the highest ethical standards, values, and, where these are defined, the best practices of the (as expressed in SARI training modules).