Overview

Machine Learning and Artificial Intelligence are the two hot buzzwords in the 21st century. These two areas focus more on analyzing and interpreting patterns in data to enable learning and decision making, all outside of human interaction. The boundless amount of data, inexpensive storage and powerful processing has propelled the growth of ML & AI. This program helps the learners to understand the most effective ML & AI techniques and to gain practice in implementing them in real-time scenarios.

Objectives

- Familiarize with basic principles of Machine Learning and Artificial Intelligence.
- Investigate applications of ML and AI techniques in artificial neural networks and other machine learning models.
- Experience various ML and AI tools/frameworks such as Scikit-learn, Keras, Colab, and TensorFlow.

Course

- Introduction to ML & AI
- Python for Machine Learning
- Regression
- Classification
- Clustering
- Artificial Neural Network
- Introduction to Computer Vision
- Introduction to Natural Language Processing
- Case Studies