

ML (Machine Learning) - 60 Hours

- Introduction to Machine Learning:

Students will learn the fundamentals of machine learning, including supervised and unsupervised learning. - Supervised Learning: Students will understand how to train machine learning models using labeled data.

Unsupervised Learning:

Students will explore unsupervised learning techniques, such as clustering and dimensionality reduction.

Reinforcement Learning:

Students will learn the basics of reinforcement learning and its applications in robotics and gaming.

Data Preprocessing and Feature Engineering:

Students will gain skills in cleaning and preparing data for machine learning models.

Model Evaluation and Selection:

Students will learn techniques to evaluate and select the best machine learning models.

Neural Networks and Deep Learning (13 to 18 Year Olds):

Older students will dive into neural networks and deep learning concepts using languages like Python and libraries like TensorFlow or Keras.

 info@scilindia.org

 www.scilindia.org