



Short Term Program in AI & ML

Course Code: SP – AIML

Duration: 4 Weekends (24 hrs)

Weekend 1: Machine Learning – Supervised Learning (6 hrs.)

- Linear Regression
- Logistic Regression
- Naïve Based Algorithm
- Ensemble Techniques and Decision Trees
- Support Vector Machines
- Assignment

Weekend 2: Machine Learning – Unsupervised Learning (6 hrs.)

- Clustering Techniques
- Principal Component Analysis (PCA)
- Model Performance and Hyper Parameter Tuning
- Assignment

Weekend 3: Natural Language Processing (6 hrs.)

- Text Extraction
- Text Classification
- Topic Modelling
- Entity Resolution
- Assignment

Weekend 4: Computer Vision (6 hrs.)

- Transfer Learning
- Image Augmentation
- Image Classification
- Object Detection
- Assignment