DAIA-2-01P: Introduction to Machine Learning Lab

Total Marks: 50
External Marks: 35
Internal Marks: 15
Credits: 2
Pass Percentage: 40%

Course: Introduction to Machine Learning Lab	
Course Code: DAIA-2-01P	
Course Outcomes (COs) After the completion of this course, the students will be able to:	
CO1	Apply a perceptron to solve binary classification problems.
CO2	Apply ADALINE and MADALINE to solve binary classification problems.
CO3	Write code to implement the backpropagation algorithm from scratch.
CO4	Implement and experiment with different clustering algorithms.
CO5	Work with real-world datasets to apply machine learning algorithms or training neural networks.

Detailed List of Programmes:

Programme No.	**Name of Programme**
P1	Extract the data from database using python
P2	Implementation of Linear Regression
P3	Implementation of Logistic regression
P4	Implementation of Decision tree classification
P5	Implementation of K-nearest Neighbor
P6	Implement the Perceptron Learning rule works for OR Gate training.
P7	Implement the ADALINE works for AND Gate training.
P8	Implement the MADALINE works for XOR Gate training
P9	Build Artificial Neural Network model with back propagation
P10	Implementing K-means Clustering
P11	Implementation of Unsupervised Learning Algorithm ART1
P12	Implementation of Unsupervised Learning Algorithm ART2