



BIRLA VISHVAKARMA MAHAVIDYALAYA
(ENGINEERING COLLEGE)
(AN AUTONOMOUS INSTITUTION)
INFORMATION TECHNOLOGY DEPARTMENT
AY: 2024-25, SEMESTER-1

Faculty Name: Dr. Zankhana Shah
Course: Machine Learning (4IT47)
Year: 4th (7th Semester)

INDEX

Sr. No.	Title	Date	Sign
1	Study of numpy library of Python. Write a program to demonstrate use of various functions.		
2	Study of matplotlib library of Python. Write a program to demonstrate use of various functions.		
3	Study of Pandas library of Python. Write a program to demonstrate its use.		
4	Write a program to demonstrate working of Linear Regression Algorithm without using scikit learn library. Implement the same algorithm using scikit learn and compare the results.		
5	Write a program to demonstrate working of Logistic Regression Algorithm. Use appropriate dataset to build prediction model and apply the trained model to predict test data.		
6	Write a program to demonstrate working of K nearest neighbour algorithm to classify the data without using scikit learn library. Use appropriate dataset for the same. Implement the same algorithm using scikit learn and compare the results.		
7	Write a program to demonstrate working of Decision Tree algorithm to classify the data. Use appropriate dataset for the same.		
8	Write a program to demonstrate working of Support Vector algorithm to classify the data. Use appropriate dataset for the same.		
9	Study of Clustering algorithms with suitable dataset.		
10	Develop product recommendation system using machine learning algorithms. Use suitable dataset available in public domain.		