



**V.E.S. Institute of Technology, Collector Colony,
Chembur, Mumbai**

Department of M.C.A

AI/ML INDEX

Sr. No	Contents	Date Of Preparation	Date Of Submission	Marks	Sign
1	Introduction to Python Programming				
2	Implementation of Logic programming using PROLOG- Basic of Prolog DFS for water jug				
3	Introduction to Python Programming: Learn the different libraries - NumPy, Pandas, SciPy, Matplotlib, Scikit Learn				
4	Implementation of Linear Regression, Logistic regression, KNN- classification				
5	Implementation of Decision Tree Using an Algorithm(ID3,C4.5,Gini) And Naïve Bayes Classifier				
6	Implementation and analysis of clustering algorithms like K-Means , K-medoid				
7	Implementation of Classifying data using Linear Support Vector Machines (SVMs).				
8	Implementation of Classifying data using Non-Linear Kernels in Support Vector Machines (SVMs).				
9	Implementation of Bagging Algorithm: Decision Tree, Random Forest.				

10	Implementation of Boosting Algorithms: AdaBoost, Stochastic Gradient Boosting, Voting Ensemble.				
11	Implementation of dimensionality reduction techniques: Features Extraction and Selection, Normalization, Transformation, Principal Components Analysis.				
12	Deployment of Machine Learning Models				

