

Government MCA college, Maninagar, Ahmedabad
Masters in computer application
Year – 2 (Semester – III)

Index

Sr. No.	Description	Date	Sign/Remarks
1	Write a python code to implement decision tree. Identify the root node and all subpart or children of node and draw the tree.		
2	Write a python code to apply Naive Bayesian algorithm to classify that whether a person can buy computer or not based on given test data		
3	Write a python code to implement Naïve Bayesian algorithm for wine dataset.		
4	Write a python code to implement Decision Tree algorithm Iris Dataset (from sklearn.dataset import load_iris)		
5	Write a python code to implement K Nearest Neighbourhood algorithm Breast Cancer Wisconsin Dataset (from sklearn.dataset import load_breast_cancer)		
6	Write a python code to implement Linear Regression algorithm for wine dataset.		
7	Build a prediction model using regression technique for Boston house prices (from sklearn.dataset import load_boston)		
8	Build a prediction model using regression technique for Diabetes (from sklearn.dataset import load_diabetes) datasets. Also, evaluate the model		
9	Implement unsupervised machine learning algorithm (Clustering – K Means) in python on Titanic dataset to cluster data by removing the class label. Use elbow method to find the optimal number of clusters. Also, measure the quality of clustering via silhouette coefficient		
10	Implement unsupervised machine learning algorithm (Clustering – K Means) in python on Breast Tumor dataset to cluster data (use Breast Tumor dataset) by removing the class label.		
11	Implement unsupervised machine learning algorithm (Clustering – Hierarchical) in python on Titanic dataset to cluster data (use Titanicdataset).		
12	Write a python code to implement Logistic Regression algorithm for wine dataset.		
13	Implement Apriori algorithm in python to find rules which explain association between different products for given transactions at a retail store.		