Sarvajanik College of Enginnering& Technology
Information Technology Department
Data Mining & Business Intelligence (2170715)

List of Practicals

Practical No.	Description
1.	Study the following data mining applications and make a detailed note on them. i) Web Mining ii) Text Mining iii) Mining Time-Series Data iv) Social Network Mining
2.	Implement routines to normalize the data in the sample data file using : i) min-max normalization a) Map to range [0,1] b) Map to range [-1,1] ii) z-score normalization and iii) decimal scaled normalization Sample DataSet : 10, 12, 3, 6, 5, 25, 17, 100, 1000, 98, 11, 27, 78, 33, 9, 18, 23, 44, 690, 200
3.	Implement Binning methods for data smoothing in following dataset using bin depth of 3. Demonstrate (i) smoothing by bin means, (ii) smoothing by bin medians (iii) bin boundaries. Sample Dataset: 13, 15, 16, 16, 19, 20, 20, 21, 22, 22, 25, 25, 25, 25, 30, 33, 33, 35, 5, 35, 35, 36, 40, 45, 46, 52, 70
4.	Study and implement the k-means clustering algorithm over the given dataset.
5.	Build a naive Bayesian Classifier for the Playtennis dataset.
6.	Generate a Decision Tree Classifier for the Playtennis dataset.
7.	Study and implement the Apriori algorithm over the given dataset.