DATA MINING LAB SYLLABUS

1. Introduction to exploratory data analysis using R.

2. Demonstrate the Descriptive Statistics for a sample data like mean, median, variance and correlation etc.,

3. Demonstrate Missing value analysis using sample data.

4. Demo of Apriori algorithm on various data sets with varying confidence and support.

5. Demo of FP Growth algorithm on various data sets with varying confidence and support.

6. Demo on Classification Techniques such as Decision Tree (ID3 / CART), Bayesian etc., and using sample data.

7. Demonstration of Clustering Techniques K-Medoid and Hierarchical.

8. Demonstration on Document Similarity Techniques and measurements.

9. Simulation of Page Rank Algorithm.

10. Demonstration on Hubs and Authorities.