

## III B.Tech I Semester

## 15ACS23-DATA WAREHOUSING AND DATA MINING LAB

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**Course Objectives:** *The student should be made to:*

- *Be familiar with the algorithms of data mining,*
- *Be acquainted with the tools and techniques used for Knowledge Discovery in Databases.*
- *Be exposed to web mining and text mining*

**LIST OF EXPERIMENTS:**

1. Demonstration of pre-processing on dataset student.arff
2. Demonstration of pre-processing on dataset labor.arff
3. Demonstration of Association rule process on dataset contactlenses.arff using apriori algorithm
4. Demonstration of Association rule process on dataset test.arff using apriori algorithm
5. Demonstration of classification rule process on dataset student.arff using j48 algorithm
6. Demonstration of classification rule process on dataset employee.arff using j48 algorithm
7. Demonstration of classification rule process on dataset employee.arff using id3 algorithm
8. Demonstration of classification rule process on dataset employee.arff using naïve bayes algorithm
9. Demonstration of clustering rule process on dataset iris.arff using simple k-means
10. Demonstration of clustering rule process on dataset student.arff using simple k means
11. Creation of a Data Warehouse.
12. Apriority Algorithm.
13. FP-Growth Algorithm.
14. K-means clustering.
15. One Hierarchical clustering algorithm.
16. Bayesian Classification.
17. Decision Tree.
18. Support Vector Machines.
19. Applications of classification for web mining.
20. Case Study on Text Mining or any commercial application.