Faculty of Informatics
MCA IV Sem Examinations, 2021
Subject: Data Mining Lab (AICTE Pattern)

The following Tasks can be implemented using Python or WEKA Tool

1. Demonstrate the Preprocessing Mechanism on student.arff Dataset.
2. Demonstrate the Preprocessing Mechanism on labor.arff Dataset.
3. Demonstrate the Preprocessing Mechanism on contactlenses.arff Dataset.
4. Implement the Apriori Algorithm to find the Association Rules in Test.arff Dataset.
5. Implement the Apriori Algorithm to find the Association Rules in contactlenses.arff Dataset
6. Find the frequent Patterns using FP-Growth Algorithm on Contactlenses Dataset.
7. Find the frequent Patterns using FP-Growth Algorithm on Test.arff Dataset.
8. Demonstrate the classification rule process on dataset student.arff using j48 Algorithm
9. Demonstrate the classification rule process on dataset employee.arff using j48 algorithm
10. Demonstrate the classification rule process on dataset Labor.arff using j48 algorithm
11. Demonstrate the classification rule process on dataset student.arff using Random Forest Algorithm
12. Demonstrate the classification rule process on dataset employee.arff using Random Forest algorithm
13. Demonstrate the classification rule process on dataset Labor.arff using Random Forest algorithm
14. Demonstrate the classification rule process on dataset student.arff using LMT Algorithm
15. Demonstrate the classification rule process on dataset employee.arff using LMT algorithm
16. Demonstrate the classification rule process on dataset Labor.arff using LMT algorithm

17. Implement naïve bayes algorithm to demonstrate the classification rule process on dataset Labor.arff

18. Implement naïve bayes algorithm to demonstrate the classification rule process on dataset student.arff

19. Implement naïve bayes algorithm to demonstrate the classification rule process on dataset employee.arff

20. Demonstrate the classification rule process on dataset student.arff using SVM Algorithm

21. Demonstrate the classification rule process on dataset employee.arff using SVM algorithm

22. Demonstrate the classification rule process on dataset Labor.arff using SVM algorithm

23. Implement ID3(C 4.5) Algorithm to demonstrate the classification rule process on dataset Labor.arff

24. Implement ID3(C 4.5) Algorithm to demonstrate the classification rule process on dataset student.arff

25. Implement ID3(C 4.5) Algorithm to demonstrate the classification rule process on dataset employee.arff

26. Implement simple K-Means Algorithm to demonstrate the clustering rule process on dataset iris.arff

27. Implement simple K-Means Algorithm to demonstrate the clustering rule process on dataset student.arff

28. Implement Hierarchical Clustering Algorithm to demonstrate the clustering rule process on dataset employee.arff

29. Implement simple Hierarchical Clustering Algorithm to demonstrate the clustering rule process on dataset student.arff

30. Implement Density based Clustering Algorithm to demonstrate the clustering rule process on dataset employee.arff