# 19CS32P2 - DATA WAREHOUSING AND MINING LABORATORY

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| **Course Category:** | Program Core | **Credits:** | 1.5 |
| **Course Type:** | Practical  | **Lecture – Tutorial – Practical:** | 0-0-3 |
| **Prerequisite:** | Knowledge in Fundamental concepts of Data Warehouse and Data Mining. | **Sessional Evaluation:****Univ.Exam Evaluation:****Total Marks:** | 4060100 |
| **Objectives** | The course is designed to provide knowledge on Data Warehouse and Data Mining algorithms. |

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| **Course Outcomes** | Upon successful completion of the course, the students will be able to acquire knowledge on Data Warehouse and Data Mining algorithms. |
| **Course Content** | 1. To create data in .csv format
2. To create data in .arff format
3. Preprocessing in Weka
4. Data Reduction Strategy – Dimensionality Reduction or Attribute Removal
5. Data Normalization
6. Classification in Weka Using Decision Trees
7. Decision Tree Induction Using J48 Classifier
8. Classification using Multilayer Perceptron
9. Classification using Naïve Bayes Classifier
10. Evaluating the Performance of IBK Classifier
11. Clustering using k-means algorithm
12. Association Rule Generation using Apriori
13. Data Discretization – To convert numeric data to categorical.
14. Weka Experiment Environment Using Simple Mode

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