Jodhpur Institute of Engineering & Technology
SYLLABUS
Branch: CSE (AI and ML)

Syllabus - VI Semester
6AIML4-21: Data Mining and Predictive Modelling Lab

Credits: 1.5 **Max. Marks: 75 (IA:45, ETE: 30)**
0L+0T+3P **End Term Exam: 3 Hours**

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S.No.	Objectives
1	Demonstration of pre-processing on dataset choose any data from Kaggle.com
2	Demonstration of classification rules process on dataset using ID3 and J48 algorithm.
3	Implement the classification rules process on car dataset using Naïve Baye's algorithm in Weka explorer.
4	Demonstration of classification rule process on dataset using simple K-means algorithm in weka explorer.
5	Build a Neural Network model to process Diabetic diagnosis dataset (https://www.kaggle.com/datasets/mathchi/diabetes-data-set)
6	Demonstration of classification on dataset diabetic and car (both taken from Kaggle.com) using decision table algorithm in weka explorer.
7	Demonstration of association rule using dataset diabetic diagnosis (taken from Kaggle.com) using apriori algorithm in weka explorer.
8	Demonstration of classification on dataset choose any data from Kaggle.com
9	Demonstration of clustering on dataset choose any data from Kaggle.com
10	Demonstration of pre-processing on dataset choose any data from Kaggle.com

Suggested References/Books:
1.Ian H. Witten & Eibe Frank, "Data Mining: Practical Machine Learning Tools and Techniques", 2005 Elsevier Inc.