Charotar University of Science and Technology [CHARUSAT]

Chandubhai S. Patel Institute of Technology [CSPIT]

U & P U. Patel Department of Computer Engineering

Practical List

Subject code	:	CE350	Semester	:	6	Academic Year	:	2020-2021
Subject name	:	Data Warehousing & Data Mining						

Sr. No.	Aim	Hrs.	CO
1.	Perform different operations using Tableau/Power BI (Different Visualization, OLAP operation, Star Schema Generation etc)	2	1,3
2.	Data Pre-processing using Pandas (Handling Missing Value, Data Wrangling, Dimension Reduction)	4	2
3.	Generate Association Rules: [R Programming, Python]	2	2
4.	Perform Different Data Mining Activities using Weka Explorer Tool, Weka Experimenter and Knowledge Flow (Open Source Data Mining Tool).	2	4
5.	Perform data mining operations like basic operations [viewing data, charts [Histogram, Boxplot Analysis- Visualization] association rule mining, classification, text mining using Orange- An open source data visualization and analysis tool	2	4
6.	Generating Classification Tree -Decision Trees, Cross Validation	2	4
7.	Performance Evaluation Matrix [Confusion Matrix] Understanding and Practical Implementation in Google colab	2	4,5
8.	Cluster Inspection & Hierarchical Clustering	2	4,5
9.	Perform Tokenization, Lemmatization, Stemming, and Sentence Segmentation in Google colab	2	5,6
10.	Text Classification using Naïve Bayes, Logistic Regression	4	5,6
11.	Sentiment Analysis of Social Media Data.	4	5,6

Prepared By:	Dhaval Bhoi, Mrugendrasinh Rahevar	**Date:**	4-Nov-2020