GANDHINAGAR INSTITUTE OF TECHNOLOGY
Information Technology & Computer Engineering Department

Practical List

Semester: 7 (New)
Subject: Data Mining & Business Intelligence
Subject Code: 2170715

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1) Analytical Exercise-I.

2) Study of WEKA DM Tool.

3) Use Glass Database and study the results by applying different techniques.

4) Study of various data mining tools.

5) Visit UCI data repository and download king-rook-vs-king chess data (http://archive.ics.uci.edu/ml/datasets/Chess+(King-Rook+vs.+King) to answer the following questions using Microsoft Excel Pivot Table and Pivot Chart tool (Give relevant print-outs).

6) Design & create cube by identifying measures & dimensions for star schema.

7) Design & create cube by identifying measures & dimensions for snowflake schema.

8) Process cube & browse cube data by replacing a dimension in the grid- filtering & drilldown using cube browser.

9) Create relational data mining model using decision tree.

10) Consider the customer database described below where an application for a credit card is either approved or rejected. Construct a decision tree (with Approved as the decision variable) using the entropy measure.