SYNOPSIS

ON

IMPLIMENTATION OF ASSOCIATION RULE MINING

Guided by : - Eirene Barua

Submitted by : -

1. Chandra Shekhar Yadav (ADTU/2018-22/BCS/010)

2. Nilratan Sarkar (ADTU/L/2018-22/BCS/017)

❖ Abstract : -

Association rules are used to find correlations and co-occurrences between data sets. They are ideally used to explain patterns in data from seemingly independent information repositories, such as relational databases and transitional databases.

It can be used to improve decision making in a wide variety of applications such as: medical diagnosis, GIS, relational database, large database and distributed database etc.

❖ Objective : -

The objective is to mine association rules from given random dateset using Apriori algorithm.

❖ **Platform : -**

➢ *Operating system : -* Microsoft windows.

➢ *Technologies used : -*

✧ *Python :-* Python is an interpreted high-level general-purpose programming language. Its design philosophy emphasizes code readability with its use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

◆ **Python can be used for : -**

✓ AI and machine learning. ...
✓ Data analytics . ...
✓ Data visualization. ...
✓ Programming applications. ...
✓ Web development. ...
✓ Game development. ...
✓ Language development. ...
✓ Finance.

❖ *Software Requirements : -*

Python 3.9.7

Anaconda Individual Edition 2021.11

❖ *Hardware Requirements : -*

✧ Intel core i3, i5,i7 processor or equivalent or higher.

✧ 2GB Ram or Higher.

✧ 20 GB HDD or Higher.

✧ Free space required 1.5GB