

## **Department of Computer Science & Engineering**

**Final Year B. Tech. (CSE) – I : 2022-23**

**5CS462 : PE5 - Data Mining Lab**

### **Assignment No. 4**

1. Design the rule based classifier : Extract the rules from decision tree build in assignment no. 3.
2. Tabulate the results and evaluate the performance of rules generated using following metrics :
  - a. Coverage
  - b. Accuracy
  - c. Toughness (size)
3. Use the following categorical data sets from UCI machine learning repository :
  - a. Balance Scale data set
  - b. Car evaluation data set
  - c. Breast-cancer data set

**Deadline : 02/09/2022**

**Dr. B. F. Momin  
Course Teacher**