

Lab Assignment 12

20 marks

CO 2	Implement data preprocessing methods	L3
CO 3	Develop various classification and clustering techniques.	L4

Objective: To familiarize with AUC ROC curves and understand the performance metrics

Dataset1: [pima-indians-diabetes.csv](#)

Sample python file given: ROC and ROC1 this is done on generated and IRIS data set

- I. Do try to visualize the data and do EDA
- II. Implement RandomForest classifier and analyze the AUC-ROC and performance metrics Precision Recall F1-score and Accuracy
- III. Record your inferences as a table and plot it as well.