

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE – 641 014
(Government Aided Autonomous Institution)
DEPARTMENT OF COMPUTING-Decision & Computing Sciences
22MDC56 – Machine Learning Laboratory
Continuous Assessment Test - I

SEM : V

Maximum Marks:

40

Date: 21.08.2024

Time: 2 pm to

4.45pm

SET III

Examine the provided dataset, which contains the patients' medical information. The objective is to forecast the type of cancer (Benign(B) or Malignant(M)) from the given observations. Develop a model using Random forest classifier. Also implement a bagging classifier and provide your insights.

Dataset Information:

https://docs.google.com/spreadsheets/d/1Qb_Tx6o4tqTQ-qLLbifRLOZy_7Z8sS_mChg7MTR2VUs/edit?usp=sharing

Evaluation Criteria

Components	Marks
Data Importing and Pre processing	4
Exploratory Data Analysis	4
Model Implementation	7
Evaluation of Model	6
Performance tuning	4
Prediction	3
Graph and Business Insights	3+4
Viva	5
Total	40