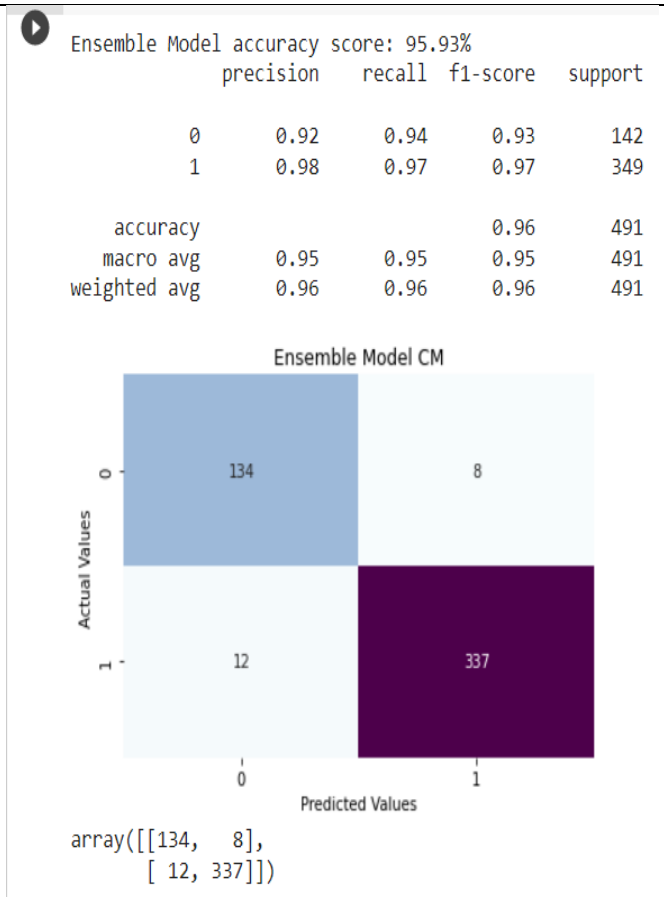
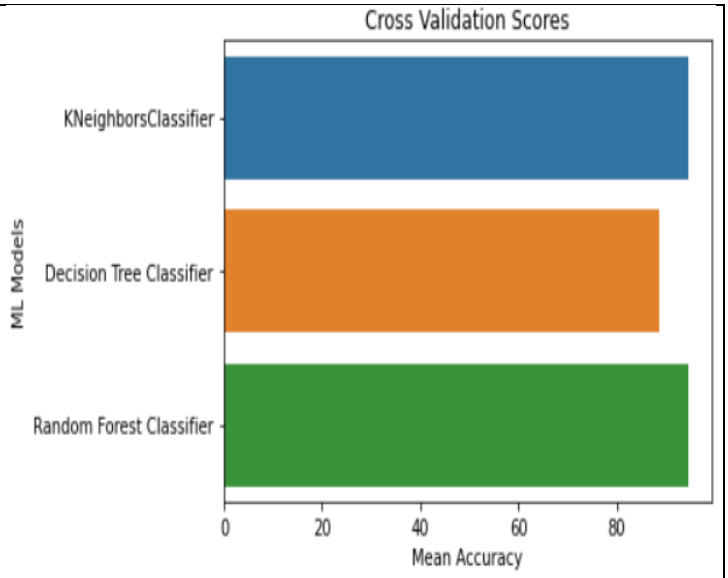
Project Development Phase
Model Performance Test

Date	15 NOvember 2022
Team ID	PNT2022TMID52707
Project Name	Project – Statistical Machine Learning Approaches to Liver Disease Prediction
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Classification Model:** Ensemble Model(Voting Classifier)-KNN(K-Nearest Neighbor,Decision Tree,Random Forest) Confusion Matrix , Accuray Score- 95.93% & Classification Report	

2.	Tune the Model	Hyperparameter Tuning – Grid SearchCV,Finding best estimators for each algorithm in ensemble model Validation Method – Cross Validation	 Fitting 10 folds for each of 40 candidates, totalling 400 fits 94.58428680396644 Fitting 10 folds for each of 250 candidates, totalling 2500 fits 88.55835240274601 Fitting 10 folds for each of 54 candidates, totalling 540 fits 94.49885583524026