

Team ID	PNT2022TMID52707
Project Name	Project - Statistical Machine Learning Approaches to Liver Disease Prediction.

Model Evaluation

```
votingC = VotingClassifier(estimators = [("knn",best_estimators[0]),
                                       ("dt",best_estimators[1]),
                                       ("rf",best_estimators[2])],
                           voting = "hard", n_jobs = -1)
votingC = votingC.fit(x_train, y_train)
y_pred=votingC.predict(x_test)
my_confusion_matrix(y_test, y_pred, 'Ensemble Model CM', 'Ensemble Model')
```

Ensemble Model accuracy score: 95.93%

	precision	recall	f1-score	support
0	0.92	0.94	0.93	142
1	0.98	0.97	0.97	349
accuracy			0.96	491
macro avg	0.95	0.95	0.95	491
weighted avg	0.96	0.96	0.96	491

Ensemble Model CM

	0	1
0	134	8
1	12	337

```
array([[134,  8],
       [ 12, 337]])
```