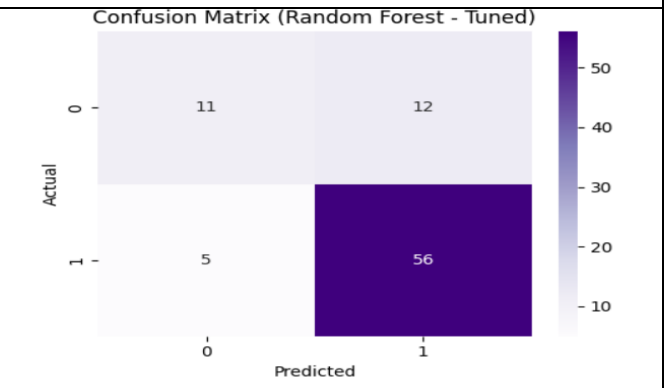
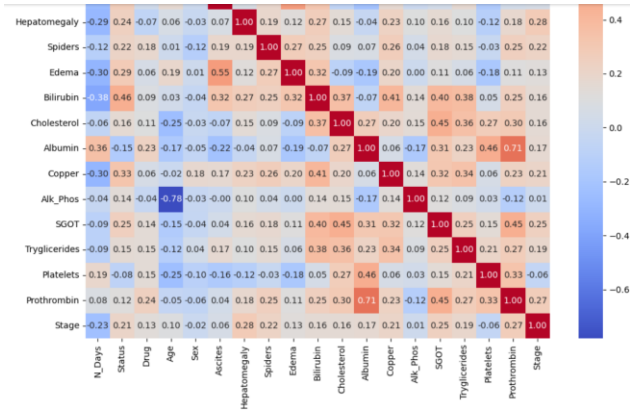
Project Development Phase
Model Performance Test

Date	26 June 2025
Team ID	LTVIP2025TMID59671
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis Using Advanced Machine Learning
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:** Confusion Matrix, Accuracy Score & Classification Report	  Fitting 5 folds for each of 72 candidates, totalling 360 fits ✅ Best Hyperparameters Found: {'max_depth': None, 'max_features' 📊 Evaluation Metrics (Tuned RF): Accuracy : 0.7976 Precision: 0.8235 Recall : 0.9180 F1 Score : 0.8682 📋 Classification Report: precision recall f1-score support 0 0.69 0.48 0.56 23 1 0.82 0.92 0.87 61 accuracy 0.80 84 macro avg 0.76 0.70 0.72 84 weighted avg 0.79 0.80 0.78 84

2.	Tune the Model	Hyperparameter Tuning Validation Method	