Project Development Phase
Model Performance Test

Date	27 JUNE 2025
Team ID	LTVIP2025TMID42853
Project Name	Revolutionizing Liver Care: Predicting Liver Cirrhosis using Advanced Machine Learning Techniques
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: 100% (on balanced test set) • Classification Report:→ Precision, Recall, F1-score = 1.00 for both classes	
2.	Tune the Model	Hyperparameter Tuning - Used RandomForestClassifier with n_estimators=100, random_state=4 Validation Method - train_test_split (80% training, 20% testing)	