Project Development Phase
Model Performance Test

Date	27 June2025
Team ID	LTVIP2025TMID38893
Project Name	Revolutionizing Liver Care : Predicting Liver Cirrhosis Using Adavanced Machine Learning
Maximum Marks	

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Random Forest Classifier n_estimators = 100 max_depth = auto	The model used is a Random Forest Classifier trained on clinical features to predict liver cirrhosis risk. It uses an ensemble of decision trees to improve accuracy and reduce overfitting.
2.	Accuracy	Training Accuracy - 92.5% Validation Accuracy - 84.3%	
3.	Fine Tunning Result(if Done)	Validation Accuracy after tuning **– 86.7**