Project Development Phase

Model Performance Test (Online Payments Fraud Detection using Machine Learning)

Date	14 February 2026
Team ID	LTVIP2026TMIDS84813
Project Name	Online Payments Fraud Detection using Machine Learning
Maximum Marks	10 Marks

Model Performance Metrics

S.No	Parameter	Values	Screenshot / Notes
1	Classification Metrics	Accuracy: _, Precision: _, Recall: _, F1-Score:	Confusion Matrix, ROC-AUC Curve
2	Fraud Detection Metrics	ROC-AUC: _, PR-AUC:	Precision-Recall Curve
3	Train/Test Performance	Train Accuracy: _, Test Accuracy:	—
4	Hyperparameter Tuning	GridSearchCV / RandomSearchCV used	Best Parameters Summary
5	Cross-Validation	5-Fold CV Score:	—
6	Imbalance Handling	SMOTE / Undersampling applied	Class Distribution Chart
7	False Positive Rate	FPR:	Important for minimizing genuine transaction blocks