

Project Development Phase

Model Performance Test

Team ID	LTVIP2025TMID58532
Project Title	Flight finder: navigating your air travel options

Model Performance Testing

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

S.No.	Parameter	Values
1	Metrics	<div>Classification Model: Confusion Matrix: ✓ Accuracy Score: 87% Classification Report: Precision: 0.85, Recall: 0.86, F1-Score: 0.85</div> <div>(Used for fraud detection in booking attempts)</div> <div>Regression Model: MAE: 185.7 MSE: 41289.5 RMSE: 203.2 R² Score: 0.78</div> <div>(Used for predicting optimal booking prices)</div>
2	Tune the Model	<div>Hyperparameter Tuning: GridSearchCV on max_depth, n_estimators Validation Method: K-Fold Cross Validation (k=5)</div>