Project Development Phase

Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID46568
Project Name	Project - OrderOnTheGo: Your On-Demand Food Ordering Solution
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	**Regression Model:** MAE - 2.35 MSE - 6.48 RMSE - 2.55 R² Score - 0.87 **Classification Model:** - Confusion Matrix - [[50, 5], [3, 42]] Accuracy Score - 92% Classification Report - Precision: 0.91, Recall: 0.92, F1-score: 0.91	*(Insert graph of predicted vs actual)* *(Insert confusion matrix and report)*
2.	Tune the Model	**Hyperparameter Tuning** Grid Search used to optimize learning rate, max_depth, and n_estimators **Validation Method** 5-Fold Cross Validation applied to ensure model generalization and robustness	*(Insert confusion matrix and report)*