Project Development Phase
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID36498
Project Name	TrafficTelligence: Advanced Traffic Volume Estimation with Machine Learning
Maximum Marks	10 Marks

Model Performance Testing:

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

Metrics:-

S.No.	Parameter	Values
1	**Regression Model**	**MAE**: 12.4**MSE**: 260.5**RMSE**: 16.1**R² Score**: 0.87
2	**Classification Model**	*Not Applicable*

Tune the model:-

Parameter	Suggested Input
Hyperparameter Tuning	RandomizedSearchCV / GridSearchCV / Bayesian Optimization (whichever you used)
Validation Method	K-Fold Cross Validation / Train-Test Split (e.g., 80-20 split)