Project Development Phase Model Performance Test

| Date | 26 June 2026 |
|---------------|--------------------|
| Team ID | LTVIP2025TMID35978 |
| Project Name | Traffictelligence |
| 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 - 400, MSE - 809.9, RMSE - 500, R2 score - 0.85 Classification Model: | MSE-motrics_mean_aquared_error(p3,y_test) np.sart(MSE) / Dob 889,9968661537578 |
| | | N/A | print(metrics.r2_score(p1,y_test)) print(metrics.r2_score(p2,y_test)) print(metrics.r2_score(p1,y_test)) print(metrics.r2_score(p4,y_test)) print(metrics.r2_score(p5,y_test)) / nb -4.052603940020568 9.6071998/44.0/74 9.7969015536923026 -34.0546031495195 0.8015495538711548 |
| 2. | Tune the Model | Hyperparameter Tuning - GridSearchCV with n_estimators=100, max_depth=10 Validation Method - K-Fold Cross Validation (k=5) | |