Project Development Phase Model Performance Test

Date	25 June 2025	
Team ID	LTVIP2025TMID43747	
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.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model:	- 1.0
		MAE-,	rain -
		MSE – 1838.3976719006828,	snow -
		RMSE – ,	traffic_volume -
		R2 score -0.8066516776309793	holiday_v2 -
			weather_v2 -
			rain - snow - snow - fre_volume - holiday_v2 - regither_v2 - weather_v2 -
		Classification Model:	holic_v weat
		Confusion Matrix - , Accuray Score-	
		& Classification Report -	
2.	Tune the Model	Box plot-	10000
		Validation Method –	8000
		train_test_split	6000
			4000
			2000
			temp rain snow traffic volumeholiday v2 weather v2