

**Project Development Phase**  
**Model Performance Test**

Date	10 February 2025
Team ID	LTVIP2025TMID33015
Project Name	traffictelligence: advanced traffic volume estimation with machine learning
Maximum Marks	

**Model Performance Testing:**

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

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Traffic volume data collected from 10 locations over 30 days.
2.	Data Preprocessing	Missing values handled; timestamps normalized; outliers removed using Z-score.
3.	Utilization of Filters	Filters used: Date range, location, vehicle type (car, bike, truck), and peak hours.
4.	Calculation fields Used	-Average Speed = Distance / Time - Congestion Index - Peak Hour Vehicle Count
5.	Dashboard design	No of Visualizations / Graphs – 6 Graphs: Line Chart (vehicle count by time), Heatmap (congestion level by area), Pie Chart (vehicle type distribution), Bar Graphs.
6	Story Design	No of Visualizations / Graphs -4 Graphs: Summary Storyline showing trends in congestion, peak times, area-wise comparison, and vehicle type analysis.