

Project Development Phase

Performance Test

Date	1 February 2026
Team ID	LTVIP2026TMIDS38933
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
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	1000+ EV charging and battery records loaded successfully into Tableau from dataset.
2.	Data Preprocessing	Removed null values, formatted date/time fields, corrected data types, and standardized battery & range columns.
3.	Utilization of Filters	Used filters for Vehicle Model, Battery , Charging Time, Distance Travelled, and Charging Station Location.
4.	Calculation fields Used	Created calculated fields like Remaining Range, Energy Consumption Rate (km/kWh), Charging Efficiency, and Average Range per Model.
5.	Dashboard design	No of Visualizations / Graphs – 5 (Battery Line Chart, Range vs Distance Bar Chart, Charging Time Analysis, Energy Consumption Scatter Plot, KPI Cards).
6	Story Design	No of Visualizations / Graphs – 4 story points explaining battery performance, range charging trends, and efficiency insights step-by-step

If your anyone asks for explanation, you can say:

- Data loads correctly without delay.
- Filters work properly.
- Calculated fields give correct results.
- Dashboard is clean and easy to understand.
- Story explains insights clearly.