

Project Development Phase
Model Performance Test

Date	14 February 2026
Team ID	LTVIP2026TMIDS35317
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Model Performance Testing:

S.No	Parameter	Screenshot / Values (What to write)
1.	Data Rendered	Four CSV datasets: EVIndia.csv, ElectricCarData_Clean.csv, Cheapestelectriccars-EVDatabase.csv, and electric_vehicle_charging_station_list.csv
2.	Data Preprocessing	Tables created in MySQL , cleaned using SQL queries (column renaming, null filtering); then connected to Tableau
3	Utilization of Filters	Brand, Powertrain Type, Body Style, Country (India/Global), Charging Station Type, Region
4	Calculation Fields Used	Created fields for: Efficiency (km/kWh), Price/Range Ratio, Top Speed Rankings, Filtered Brand Count
5	Dashboard Design	No of Visualizations: 6 (Brand-wise comparisons, price vs range, speed, efficiency bar, charging map, station count by region)
6	Story Design	No of Story Visuals: 6 (Integrated dashboard views with filters, navigation buttons, interactive storyline)

Tableau Links

- **Dashboard:** [View Dashboard](#)
- **Story:** [View Storyboard](#)

