

**Project Development Phase  
Model Performance Test**

Date	10 February 2025
Team ID	LTVIP2025TMID52074
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.

**EV Dashboard Development Summary**

S.No.	Parameter	Details
1	Data Rendered	Multiple CSVs: <ul style="list-style-type: none"> <li>• EVIndia.csv – Indian EV models with specs and trims</li> <li>• ElectricCarData_Clean.csv – Global EV technical specifications</li> <li>• Cheapestelectriccars-EVDatabase.csv – Budget EVs in Germany/UK</li> <li>• electric_vehicle_charging_station_list.csv – Charger type, location, and region metadata</li> </ul>
2	Data Preprocessing	<ul style="list-style-type: none"> <li>• Null value handling for fields like Range, Price, Boot Space</li> <li>• Unit normalization (price in ₹, efficiency in Wh/km)</li> <li>• Filtered duplicates across locations/models</li> <li>• Merged model naming inconsistencies between datasets</li> </ul>
3	Utilization of Filters	Tableau filters added for: <ul style="list-style-type: none"> <li>• Body Style (SUV, Sedan, Hatchback)</li> <li>• Region (India, UK, Germany)</li> <li>• Charger Type (DC-001, AC-001, CCS)</li> <li>• Price Range (Lakhs / Euros)</li> <li>• Powertrain (BEV, PHEV)</li> </ul>
4	Calculated Fields Used	<ul style="list-style-type: none"> <li>• Price bins (Budget/Mid-range/Premium)</li> <li>• Efficiency Tier (based on Wh/km)</li> <li>• Charger Density per Region</li> <li>• Model Count by Brand</li> <li>• Range-to-Price Ratio score</li> </ul>
5	Dashboard Design	<b>Visualizations-11</b>  <b>Dashboard Visualizations – 1</b> Electric Car Analytics Dashboard
6	Story Design	Story Visualizations-1