Project Development Phase

Performance Test

Date	21 February 2026
Team ID	LTVIP2026TMIDS80482
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	

S.NO	Parameter	ScreenShots/Values
1	Data Rendered	Rendered from CSV datasets including EV_Specifications.csv, Charging_Stations_Data.csv, Brand_Performance.csv, and EV_Regional_Distribution. csv, containing EV car specifications, charging infrastructure details, brand performance insights, e iciency metrics, pricing information, powertrain types, and regional distribution (1000+ records including vehicle and station data).
2	Data Preprocessing	Processed and transformed raw data from EV_Specifications.csv, Charging_Stations_Data.csv, Brand_Performance.csv, and EV_Regional_Distribution.csv using Tableau by handling missing values, correcting data types, standardizing formats, and organizing attributes such as price, range, brand, body style, and region for accurate analysis.
3	Utilization of Filters	Interactive filters applied on datasets (EV_Specifications.csv, Brand_Performance.csv) across attributes including powertrain type, brand, region, and body style to enable dynamic data exploration and userdriven insights.
4	Calculation Fields Used	Calculated fields created using data from EV_Specifications.csv and Brand_Performance.csv to derive insights such as average range, e iciency comparisons, vehicle counts per brand, ranking metrics, and aggregated performance indicators.

5	Dashboard Design	10 Visualizations are used For EV Analytics Dashboard
		1. Charging Stations by region and type in India
		2. Summary Cards of Different Brands Of EV Cars Globally
		3. Summary Cards of Different Brands Of EV Cars in India
		4. Brands according to Bodystyle
		5. Top 10 most efficient EV Brands
		6.Different EV Cars in india
		7.No of Models by Each Brand
		8.Price Of Different Cars in India
		9.Top Speed For Different Brands
		10. Brand filtered by PowerTrain type
6	Story Design	Tableau Story is created using multiple Sory Points Highlighting
		1.Charging Stations in India
		2.Charging Stations By Region & Type
		3.Price Of Electric Cars By Different Brands
		4.Different Brands & No of Models