

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	25 Jan 2026
Team ID	LTVIP2026TMIDS38849
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	View EV Car Models	Filter by brand, price, range, body style
FR-2	Compare EV Specifications	Top speed comparison, range vs price
FR-3	View Charging Infrastructure	Display EV charging stations by region and type
FR-4	Dashboard & Story Interaction	KPIs, filters, switch between India and global views
FR-5	Publish & Share	Publish to Tableau Public, share interactive link

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Dashboard is user-friendly and easy to navigate for non-technical users
NFR-2	Security	Data used is read-only, published securely on Tableau Public
NFR-3	Reliability	Data remains consistent; views load without errors
NFR-4	Performance	Dashboard loads under 5 seconds on average internet connection
NFR-5	Availability	Dashboard is hosted 24/7 via Tableau Public
NFR-6	Scalability	More datasets or views can be added in the future without redesign