

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

Date	25 June 2025
Team ID	LTVIP2025TMID48065
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	<b>Usability</b>	Dashboard is user-friendly and easy to navigate for non-technical users
NFR-2	<b>Security</b>	Data used is read-only, published securely on Tableau Public
NFR-3	<b>Reliability</b>	Data remains consistent; views load without errors
NFR-4	<b>Performance</b>	Dashboard loads under 5 seconds on average internet connection
NFR-5	<b>Availability</b>	Dashboard is hosted 24/7 via Tableau Public
NFR-6	<b>Scalability</b>	More datasets or views can be added in the future without redesign