

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

Date	28 June 2025
Team ID	LTVIP2025TMID49020
Project Name	Visualization tool for electric vehicle charge and range analysis
Maximum Marks	4Marks

Functional Requirements: Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	- Registration through Form - Registration via
FR-2	User Confirmation	- Email Confirmation - OTP Verification
FR-3	EV Comparison Dashboard	- Filter EVs by range & price - Compare
FR-4	Charging Station Insights	- View station map - Filter by location
FR-5	Data Visualization	- Display graphs - Export reports

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The dashboard must be user-
NFR-2	Security	User data and login credentials
NFR-3	Reliability	The system must consistently Dashboard
NFR-4	Performance	responses The platform
NFR-5	Availability	should be The system must
NFR-6	Scalability	handle future