

Project Design Phase
Proposed Solution Template

Date	28 June 2025
Team ID	LTVIP2025TMID49020
Project Name	Visualization tool for electric vehicle charge and range analysis
Maximum Marks	2Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	EV buyers, analysts, and managers struggle with scattered, inconsistent EV data across different sources – making decision-making difficult and inefficient.
2	Idea / Solution Description	A centralized interactive dashboard that integrates EV specifications, charging station maps, pricing filters, and personalized recommendations using multiple global + Indian datasets.
3	Novelty / Uniqueness	Unlike EV brand websites or review blogs, this tool provides real-time visual comparison, cross-dataset filtering, and map-based charging insights in one place.
4	Social Impact / Customer Satisfaction	Reduces confusion in EV adoption, promotes green mobility, improves user trust, and speeds up EV purchase decisions—especially for first-time buyers.
5	Business Model (Revenue Model)	Freemium dashboard with premium features for auto retailers, analytics reports for manufacturers, data APIs for third-party apps, and optional in-dashboard ads.
6	Scalability of the Solution	Easily scalable with new datasets (e.g. international EV models, charging networks), supports integration into mobile/web platforms, and expandable for government/enterprise use.