Project Design Phase
Proposed Solution Template

Date	4 July 2025
Team ID	LTVIP2025TMID48825
Project Name	visualization tool for electric vehicle charge and range
Maximum Marks	2 Marks

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)	Analysing different data from Multiple sources for Electric cars in India and Globally
2.	Idea / Solution description	•Visualize EV charge levels over time • Display average and max driving range • Filter data by vehicle, temperature, date, or usage pattern • Compare range across different vehicle categories
3.	Novelty / Uniqueness	• User-friendly interface • Fast and interactive visualizations • Responsive filters and clear data labels
4.	Social Impact / Customer Satisfaction	• Promotes awareness and adoption of electric vehicles (EVs) by providing transparent and user-friendly insights into charging and range metrics. • Helps users make informed decisions on EV usage, reducing range anxiety and improving planning for long trips. • Supports environmental sustainability by encouraging the shift to EVs, reducing carbon emissions.
5.	Business Model (Revenue Model)	• **Freemium Model**: Basic dashboards available for free; advanced analytics and export features offered under a premium subscription. • **Data Licensing**: Charging networks or automotive companies can pay to access aggregated and anonymized usage data for strategic planning. • **Partnerships**: Collaborate with EV manufacturers, charging station providers, or government agencies for embedded insights and tools.
6.	Scalability of the Solution	The solution is scalable both horizontally (by integrating data from more EV models, charging stations, and regions) and vertically