

Project Design Phase
Proposed Solution Template

Date	21 June 2025
Team ID	LTVIP2025TMID47588
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
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)	Lack of centralized, visual insights for EV model comparison and charging infrastructure visibility, especially in the Indian context.
2.	Idea / Solution description	A Tableau-based interactive dashboard that enables users to compare EV specs (range, price, efficiency), identify top-performing models, and explore India's charging station network via maps and filters.
3.	Novelty / Uniqueness	Combines multi-source EV data into a single, interactive platform with map visualizations and performance filters — focused on both Indian and global models.
4.	Social Impact / Customer Satisfaction	Helps EV buyers make informed, sustainable choices and assists policymakers in understanding EV readiness and infrastructure gaps.
5.	Business Model (Revenue Model)	Freemium model with access to basic comparison dashboard; premium features for auto manufacturers, researchers, or government bodies offering deeper insights and downloadable reports.
6.	Scalability of the Solution	Scalable across countries and vehicle segments; new datasets can be added to extend insights to two-wheelers, commercial EVs, or real-time charging station status.