Project Design Phase-I
Proposed Solution Template

Date	10 February 2026
Team ID	LTVIP2026TMIDS53912
Project Name	Visualization tool for electric vehicle charge and range analysis.
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	First-time EV buyers in India lack centralized and reliable data about charging infrastructure and vehicle range, leading to confusion and range anxiety. Infrastructure investors also struggle to identify regional charging gaps due to fragmented information sources.
2.	Idea / Solution description	E-CarStart is a web-based EV analytics platform that provides interactive dashboards and visual stories about EV charging, range, and adoption trends. It centralizes data into an easy-to-understand format using Tableau and a responsive web interface.
3.	Novelty / Uniqueness	The platform combines EV charging, range, and market adoption insights into one interactive system focused on the Indian market. Unlike static reports or blogs, it offers real-time visual comparison and centralized analytics.
4.	Social Impact / Customer Satisfaction	E-CarStart promotes informed EV adoption, reducing range anxiety and increasing customer confidence. It also supports sustainable mobility by providing transparency in EV infrastructure growth.
5.	Business Model (Revenue Model)	The platform can adopt a freemium model with basic dashboards free and premium analytics for investors. Additional revenue can come from partnerships, advertisements, and data insight reports.
6.	Scalability of the Solution	The web-based modular architecture allows easy addition of new datasets and dashboards. It can scale to include real-time APIs, more regions, and advanced analytics features in the future.