

Ideation Phase

Define the Problem Statements

Date	3 July 2025
Team ID	LTVIP2025TMID49372
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	2 Marks

Problem Statement:

With the growing popularity of EVs, users and stakeholders require an easy way to compare different models and understand their performance and feasibility. The problem is to consolidate and visualize EV data from various sources to help with decision-making. about charging station availability, and lack of real-time insights into infrastructure usage. Urban planners and infrastructure providers also struggle to decide where to place new stations and how to monitor peak charging demand effectively. Currently, no visual tool exists that clearly shows these patterns in an interactive and user-friendly way. Hence, there is a strong need for a data-driven visualization platform that simplifies EV charge and range data to support users, planners, and government authorities.

Customer Problem Statement Template				
I am:	I'm trying to:	But:	Because:	Which makes me feel:
I am	I'm trying to:	But:	Because:	Which makes me feel:
Traveller	Travel in India	I have a EV Car	EV Charging Satations are not available in all places	Help less