

Ideation Phase

Define the Problem Statements

Date	16 February 2026
Team ID	LTVIP2026TMIDS40575
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	2 Marks

Customer Problem Statement Template:

I am

I am an Electric Vehicle user

I'm trying to

I'm trying to understand how far my vehicle can travel with the available battery,

But

but the battery data is not clearly shown

Because

Because there is no simple visualization dashboard,

Which makes me feel

makes me feel confused and worried while planning trips.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am an Electric Vehicle user	I'm trying to understand how far my vehicle can travel with the available battery	But the battery data and range information are not clearly presented	Because most tools show complex technical details instead of simple visuals	Which makes me feel confused and worried about planning trips.
PS-2	I am a daily commuter using an EV	I'm trying to find charging stations and plan my travel efficiently	But the information about charging locations and battery usage is scattered	Because there is no single dashboard that shows clear insights	which makes me feel anxious about battery drain and delays.