

Ideation Phase

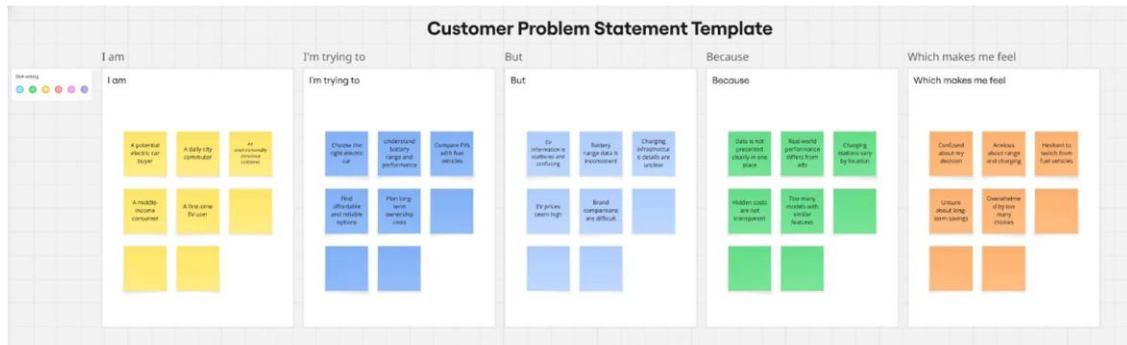
Define the Problem Statements

Date	31 January 2026
Team ID	LTVIP2026TMIDS61504
Project Name	Visualization tool for electric vehicle charge and range analysis
Maximum Marks	2 Marks

Customer Problem Statement Template:

A customer problem statement is used to understand the perspective of electric vehicle users and identify the challenges they face when selecting and using EVs. This template helps teams focus on key factors such as battery range, charging availability, cost, and performance by using data-driven insights.

A well-defined customer problem statement enables teams to analyze electric vehicle data to uncover real-world usage patterns and customer pain points. By interpreting EV performance and charging data, teams can build empathy and design solutions that improve decision-making, reliability, and overall user experience.



Problem Statement (PS)	I am Customer	I'm trying to	But	Because	Which makes me feel
PS-1	A potential electric car buyer	Choose a suitable electric vehicle	Information is confusing and scattered	confusing and scattered Performance presented	Confused and hesitant
PS-2	A daily commuter	Understand EV battery range and charging feasibility	Real- world data is inconsistent	Battery performance varies by usage and location	Anxious about reliability