Problem Statement

Date	20 June 2025
Team ID	LTVIP2025TMID48669
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis.
Maximum Marks	2 Marks

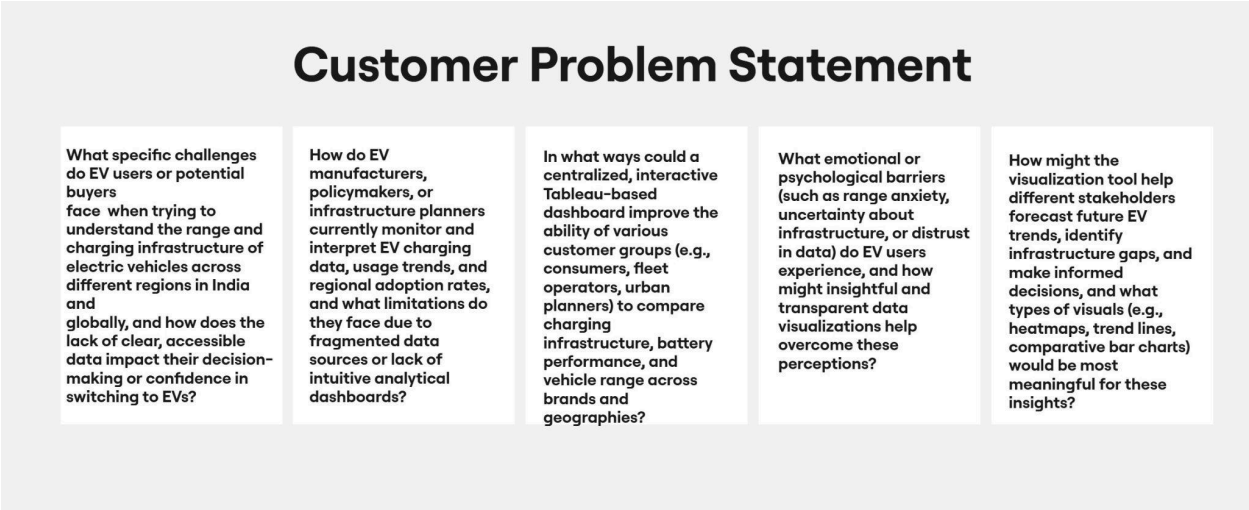
TITLE :

Visualization Tool for Electric Vehicle Charge and Range Analysis.

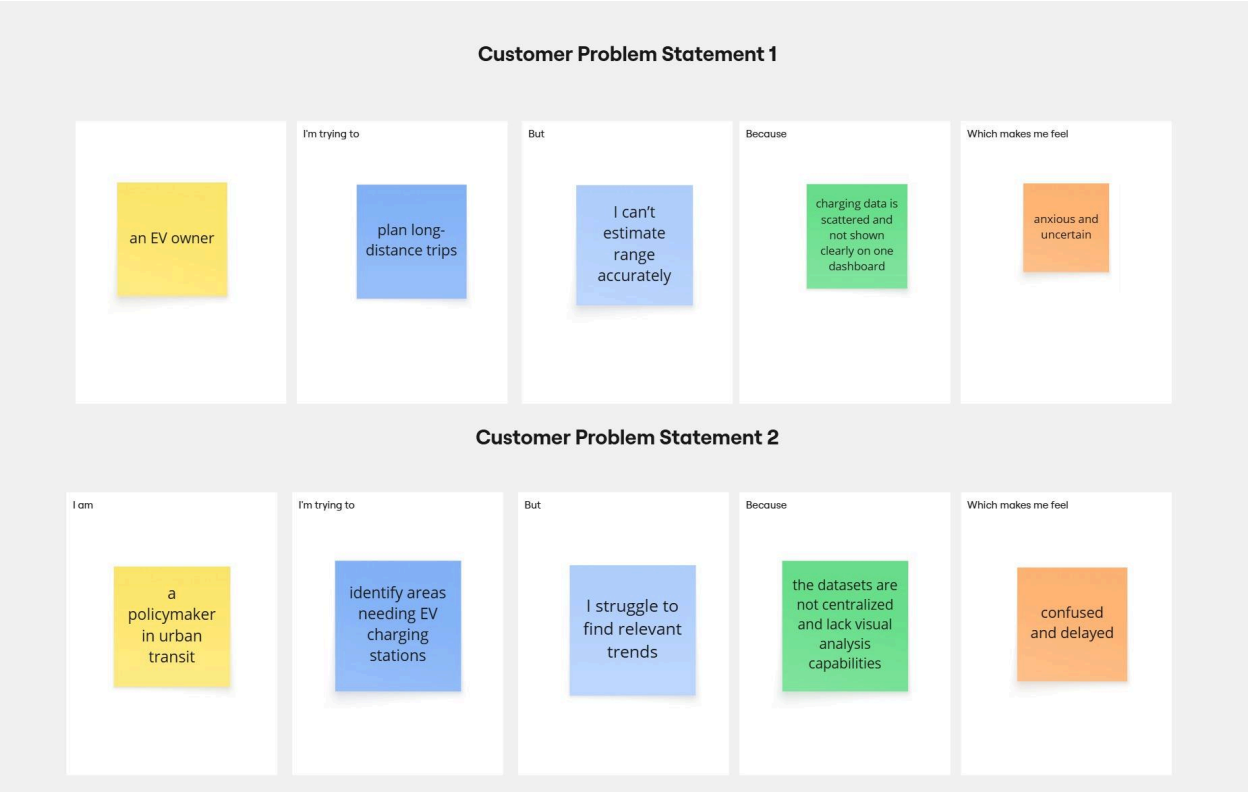
Team ID : LTVIP2025TMID48669

Team Members :

Team Leader : Likitha Dadi
Team member : Ella Likhitha
Team member : Gandi Dinesh
Team member : Allada Vasanth
Team member : Goona Ganapathi Swamy



EV users face significant challenges in accessing real-time charge station data, managing battery range, and visualizing their usage trends. There is a need for a centralized dashboard that integrates multiple datasets to provide insights, improve planning, and support the growing electric vehicle ecosystem through smart analytics.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	an EV owner	plan long-distance trips	I can't estimate range accurately	charging data is scattered and not shown clearly on one dashboard	anxious and uncertain
PS-2	a policymaker in urban transit	identify areas needing EV charging stations	I struggle to find relevant trends	the datasets are not centralized and lack visual analysis capabilities	confused and delayed