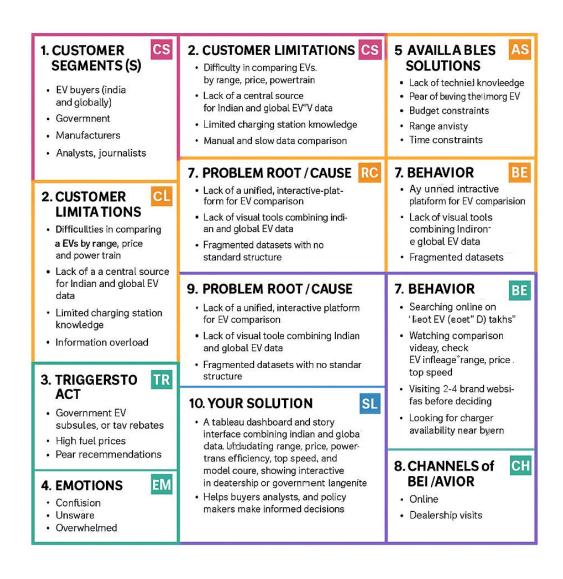
## Project Design Phase Problem – Solution Fit Template

Date	15 February 2025
Team ID	LTVIP2025TMID47712
Project Name	Visualization Tool for Electric Vehicle Charge and
	Range Analysis
Maximum Marks	2 Marks

## **Problem – Solution Fit Template:**

The Problem–Solution Fit for this project is clearly established by identifying the fragmented and non-visual nature of electric vehicle (EV) data faced by consumers, analysts, and policymakers. Today's EV market presents complex challenges—customers often struggle to compare key parameters like range, price, powertrain, and charging station availability due to scattered or outdated data sources. Our solution, an interactive Tableau-based visualization tool, bridges this gap by centralizing and visualizing EV data from both Indian and global datasets.

## Template:



It aligns with users' existing behaviors such as online research, brand comparison, and price filtering, making the tool intuitive and easy to adopt. By offering interactive dashboards, summary cards, and story-based insights, the solution simplifies decision-making and enhances user confidence. This fit is reinforced by the emotional shift it delivers—from confusion to clarity—and its ability to be deployed across multiple touchpoints like Tableau Public, websites, or dealership portals. The tool is designed with empathy for user limitations and directly addresses urgent and frequent pain points, ensuring strong adoption and value delivery.