

## **Project Design Phase**

### **Problem – Solution Fit**

Date	25 February 2026
Team ID	LTVIP2026TMIDS40890
Project Name	Visualization Tool For Electric Vehicle Charge and Range Analysis
Maximum Marks	2 Marks

#### **Problem**

Electric Vehicle data is available in large datasets but difficult to interpret and analyze manually. Users face challenges in comparing EV performance, pricing, and charging infrastructure using raw data tables.

#### **Target Users**

- Data analysts
- Students and researchers
- EV enthusiasts
- Decision-makers

#### **Existing Situation**

Users rely on static reports or spreadsheets that do not provide interactive insights or easy comparisons.

#### **Proposed Solution**

An interactive Tableau-based dashboard system that visualizes EV data using charts, maps, and stories, enabling users to analyze trends quickly.

#### **Value Provided**

- Simplified data analysis
- Interactive dashboards
- Visual storytelling
- Better decision-making through insights

**Template:**

