

## ***Ideation Phase***

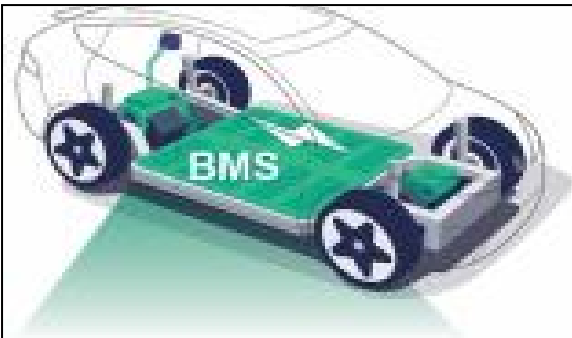
### **Define the Problem Statement**

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

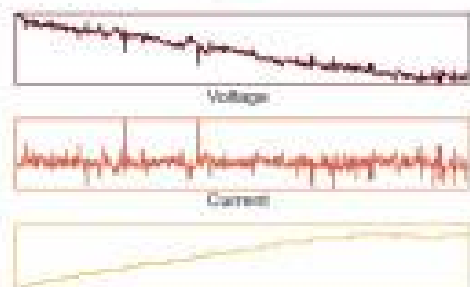
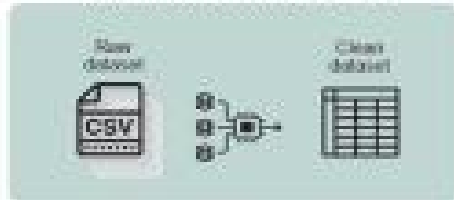
#### **Problem Statement :**

Electric Vehicle (EV) data is available from multiple sources containing information about vehicle performance, pricing, efficiency, and charging infrastructure. However, this data is mostly stored in raw tabular format, making it difficult to understand and compare. Users face challenges in analyzing EV trends and making meaningful insights.

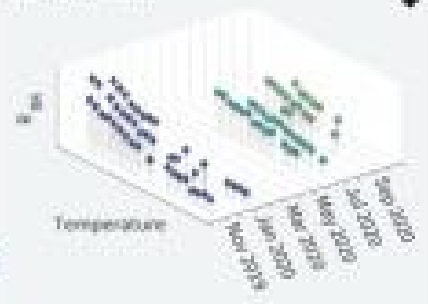
The objective of this project is to transform complex EV datasets into interactive dashboards and stories using Tableau. This helps users easily visualize EV performance, compare models, and analyze charging infrastructure through clear graphical representations.



#### DATA PRE-PROCESSING PIPELINE



#### Braking resistance



#### Acceleration resistance



#### Charge impedance

