

Proposed Solution and Solution Architecture

Date	25 June 2025
Team ID	LTVIP2025TMID20808
Project Name	Visualization tool for electric vehicle charge and range analysis using Tableau
Maximum Marks	2 Marks

Proposed Solution

The proposed solution includes:

1. Data Collection:
 - Collecting EV charging and range datasets from reliable sources
 - Cleaning and formatting data using MySQL Workbench
2. Data Visualization:
 - Connecting Tableau to MySQL
 - Creating dashboards showing charging station usage, peak times, vehicle performance
3. Storytelling:
 - Using Tableau Stories to walk users through data insights step by step
4. Deployment:
 - Publishing the dashboard and story on Tableau Public
 - Optionally embedding on a custom-built Netlify website

Solution Architecture

Raw Dataset (CSV/Excel)



MySQL Workbench (Structured storage & SQL filtering)



Tableau Desktop (Interactive Dashboards + Story)



Tableau Public (Online Publishing)



Website with embedded Tableau links