

Proposed Solution and Solution Architecture

Date	3 July 2025
Team ID	LTVIP2025TMID49372
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
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