

Project Design Phase-I

Solution Architecture

Date	10 February 2026
Team ID	LTVIP2026TMIDS61504
Project Name	Visualization tool for electric vehicle charge and range analysis
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture defines the overall structure of the Visualization Tool for Electric Vehicle Charge and Range Analysis. It connects business problems (lack of centralized EV data) with technical components that collect, process, store, and visualize electric vehicle charge and range information.

The architecture ensures:

- Selection of appropriate technologies to solve EV data analysis challenges.
- Clear definition of system structure and component interaction.
- Well-defined features and development phases.
- Secure, scalable, and efficient delivery of EV insights to users.

Example - Solution Architecture Diagram:

