

Project Design Phase-I Solution Architecture

Date	Feb 2026
Team ID	LTVIP2026TMIDS47701
Project Name	Virtualization tool for electric vehicle charge & range analysis
Maximum Marks	4 Marks

Solution Architecture:

The proposed solution uses a cloud-based, voice-enabled architecture on AWS to collect, process, store, and analyze patient voice responses securely and efficiently. The architecture integrates multiple AWS services to ensure scalability, security, and reliability.

Objectives of the Solution Architecture

- To provide an efficient and scalable architecture for EV charge and range analysis
- To ensure smooth data flow from input to visualization
- To support accurate analysis and decision-making for EV users

Solution Architecture Diagram:

