Project Design Phase-II
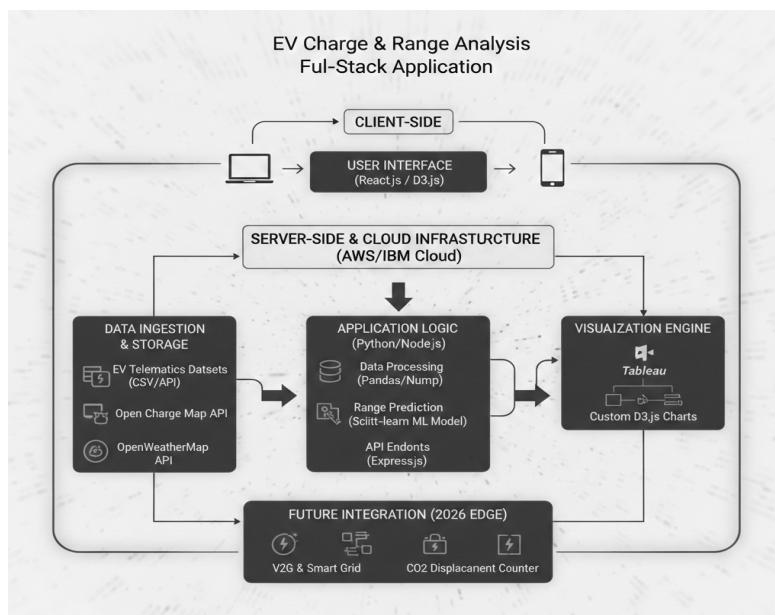**Data Flow Diagram & User Stories**

Date	02 February 2026
Team ID	LTVIP2026TMIDS34838
Project Name	Visualization Tool for Electric Vehicle charge and Range Analysis
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) represents how information moves through your system. For an EV visualization tool, your flow should follow these levels:

Example: (Simplified)

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
EV Owner	Range Analysis	USN-6	As a user, I want to input the current temperature so I can see the projected range loss.	User sees a real-time update on the range chart based on a temperature slider.	High	Sprint-1
EV Owner	Charging analysis	USN-7	As a user, I want to view the charge curve for my Specific car model to know when to stop charging.	A line graph displays kW charging speed relative to the State of Charge (SoC).	High	Sprint-1
Fleet Manager	Map View	USN-8	As a manager, I want to see a heat map of charger availability across a city.	Interactive map displays color-coded zones for charger density and demand.	Medium	Sprint-2
Researcher	Data Export	USN-9	As a researcher, I want to download the filtered dataset for further offline analysis.	An "Export to CSV" button triggers a download of the currently viewed data.	Low	Sprint-3