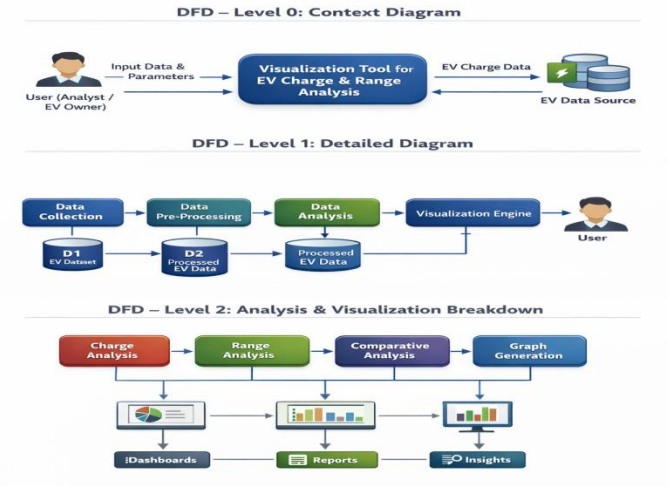
Project Design Phase-II
Data Flow Diagram & User Stories

Date	28 January 2026
Team ID	LTVIP2026TMIDS43283
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I want to view electric vehicle data details.	EV data is displayed correctly	High	Sprint-1
Customer (Mobile user)	View EV Data	USN-2	As a user, I want to see charge and range data in charts so that it is easy to understand.	Charts load correctly	High	Sprint-1
Customer (Mobile user)	Data Visualization	USN-3	As a user, I want to compare EV models based on range and price.	Comparison chart is shown	Low	Sprint-2
Customer (Mobile user)	Model Comparison	USN-4	As a user, I want to filter EV data by brand model.	Filters work properly	Medium	Sprint-3
Customer (Mobile user)	Filter Data	USN-5	As a user, I want to view charging time	Charging time data is visible	High	Sprint-2
Customer (Mobile user)	Charging Time	USN-6	As a user, I want to analyze range.	Range updates correctly	High	Sprint-4
Customer (Mobile user)	Range Analysis	USN-7	As a user, I want to view charging station	Station data is displayed	Medium	Sprint-3
Customer (Mobile user)	Charging Stations	USN-8	As a user, I want to see EV performance	Dashboard is user-friendly	Low	Sprint-5
Customer (Mobile user)	Performance Analysis	USN-9	As a user, I want a simple and easy-to-use	Performance charts are shown	High	Sprint-4
Customer (Mobile user)	User Interface	USN-10	As a user, I want to download visual reports .	Report downloads successfully	Low	Sprint-5