

## Project Design Phase-II

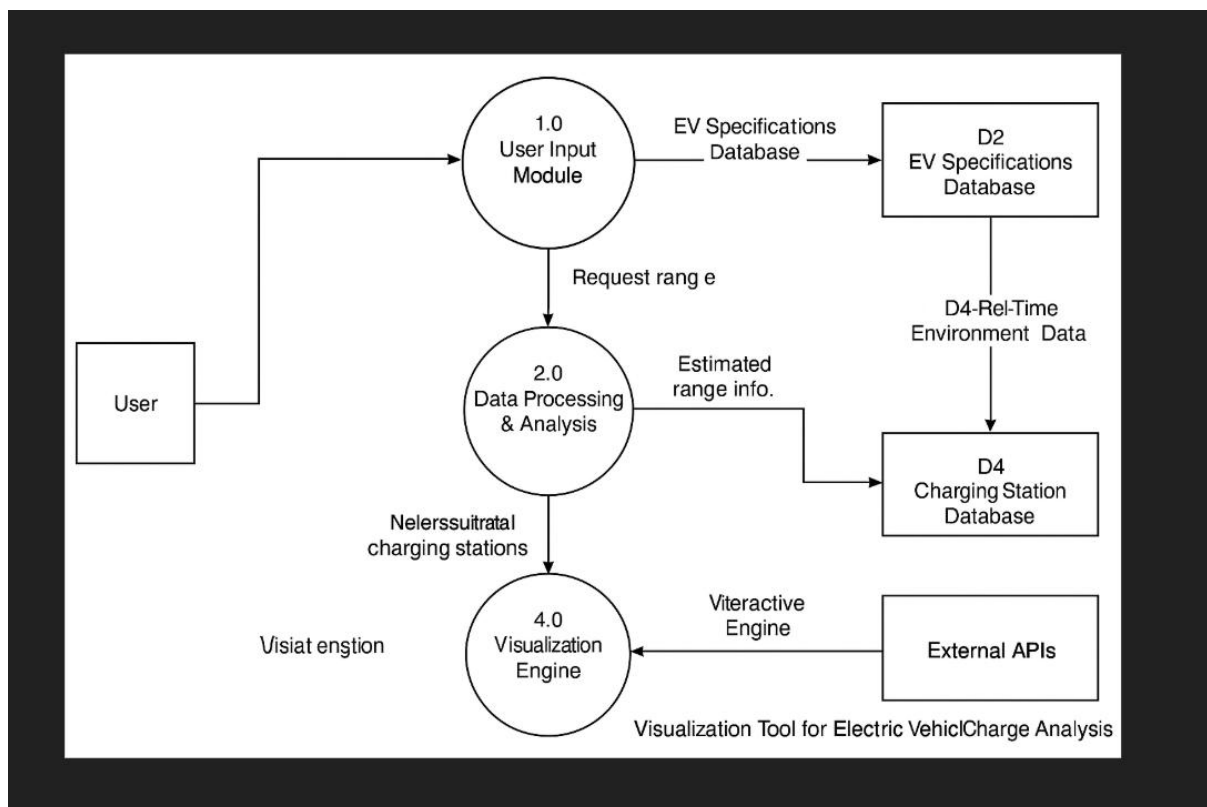
### Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID52073
Project Name	Visualization tool for electric vehicle charge and range analysis-updated
Maximum Marks	4 Marks

#### Data Flow Diagram:

Creating **Data Flow Diagrams (DFDs)** for an updated **Electric Vehicle (EV) Charging and Range Analysis Visualization Tool** involves illustrating how data moves through the system. These diagrams can be developed at different levels:

- **Level 0 (Context Diagram):** High-level overview of the system.
- **Level 1:** Breaks down the system into main processes.
- **Level 2 and beyond:** Further decomposes Level 1 processes.



**Data flow:**

User Input (Vehicle data, location, preferences)

Real-time vehicle status (battery level, location)

Charging station data

Map and route information

Visual reports and recommendations

**User Stories**

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
EV owner	Dashboard visualization	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Analyst	Trend analysis over time	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Fleet manager	Multi-vehicle monitoring	USN-3	As a user, I can register for the application	I can register & access the dashboard	Low	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			through Facebook	with Facebook Login		
Admin	Report generation	USN-4	As a user, I can register for the application through Gmail	Expert option available	Medium	Sprint-1
Customer/new user	Login	USN-5	As a user, I can log into the application by entering email & password	Login and register forms working :password and validation	High	Sprint-1