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

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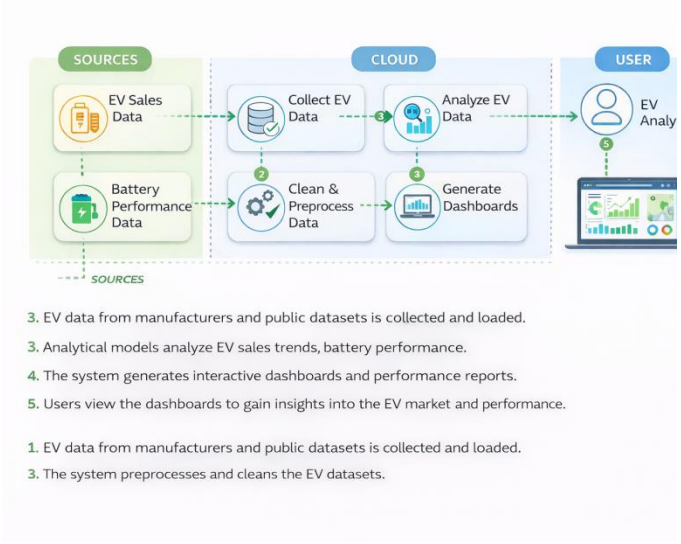
|---|---|
| Date | 31 January 2026 |
| Team ID | LTVIP2026TMIDS90945 |
| Project Name | Visualizations tools of ev charge and range analysis |
| Maximum Marks | 4 Marks |

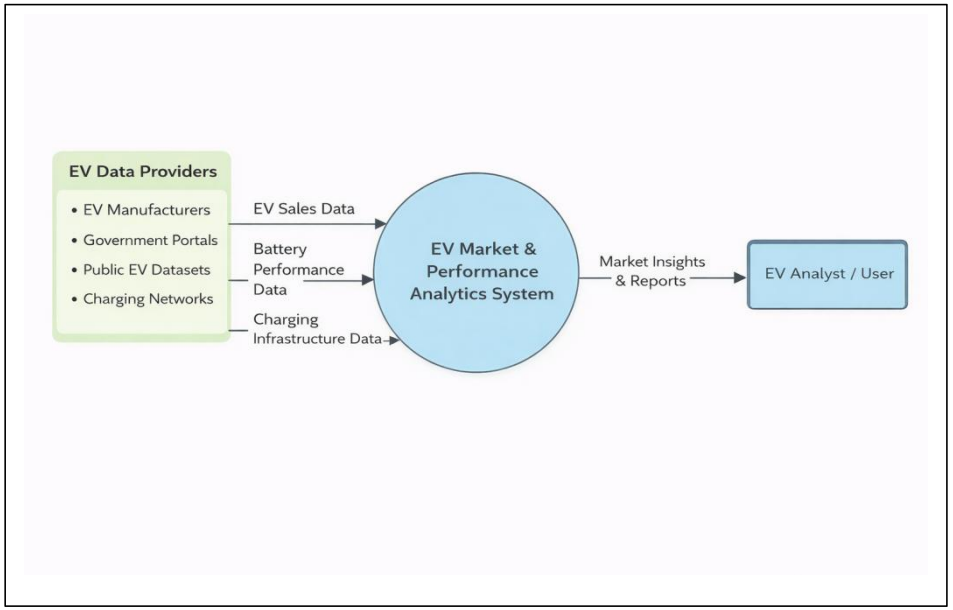
**Data Flow Diagrams:**

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.

**Example: (Simplified)**




DFD Level-0 (Context Diagram) – EV Market & Performance Analytics System



**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 Analyst | Registration | USN-1 | As an EV analyst, I want to register using email and password so that I can access the analytics system. | User can successfully register and access dashboard | High | Sprint-1 |
| EV Analyst | Login | USN-2 | As an EV analyst, I want to log in using valid credentials to view EV analytics. | User logs in and dashboard loads | High | Sprint-1 |
| EV Analyst | Dashboard | USN-3 | As an EV analyst, I want to view EV market trends on a dashboard. | Dashboard shows charts and KPIs | High | Sprint-1 |
| EV Analyst | Sales Analysis | USN-4 | As an EV analyst, I want to analyze EV sales by year and region. | Sales data is filtered correctly | Medium | Sprint-2 |
| EV Analyst | Battery Analysis | USN-5 | As an EV analyst, I want to view battery performance reports. | Battery efficiency metrics are displayed | High | Sprint-2 |
| EV Analyst | Charging Analysis | USN-6 | As an EV analyst, I want to analyze charging station availability. | Charging locations are visualized | Medium | Sprint-2 |
| EV Analyst | Reports | USN-7 | As an EV analyst, I want to download analytics reports | Reports are generated and downloadable | Medium | Sprint-3 |
| Admin | Data Upload | USN-8 | As an admin, I want to upload EV datasets into the system. | Data is uploaded successfully | High | Sprint-1 |
| Admin | Data Validation | USN-9 | As an admin, I want to validate EV datasets. | Clean data is available for analysis | High | Sprint-1 |
| Admin | User Management | USN-10 | As an admin, I want to manage user access. | Users are added/removed correctly | Medium | Sprint-2 |