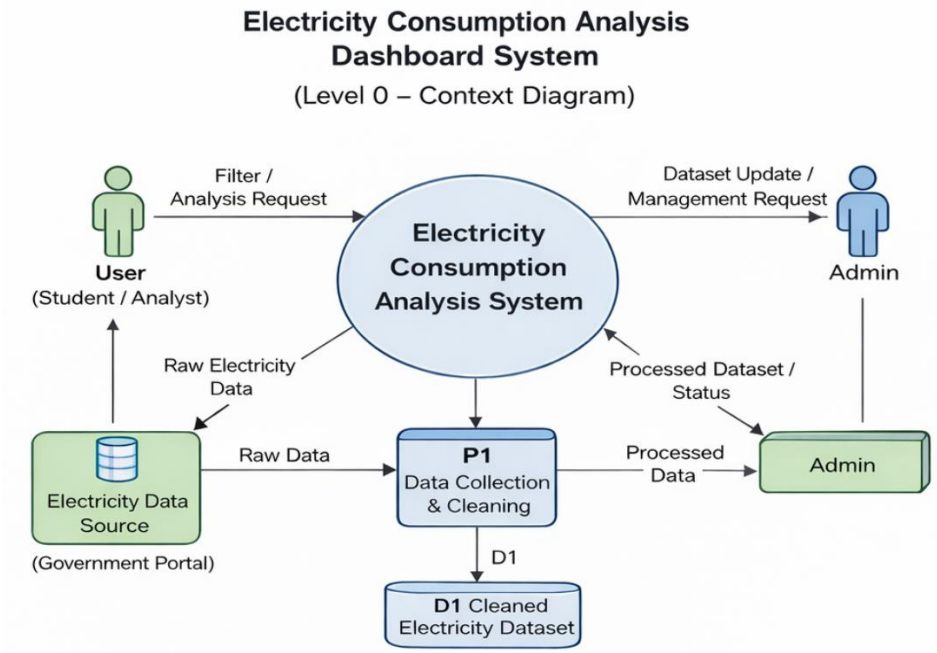
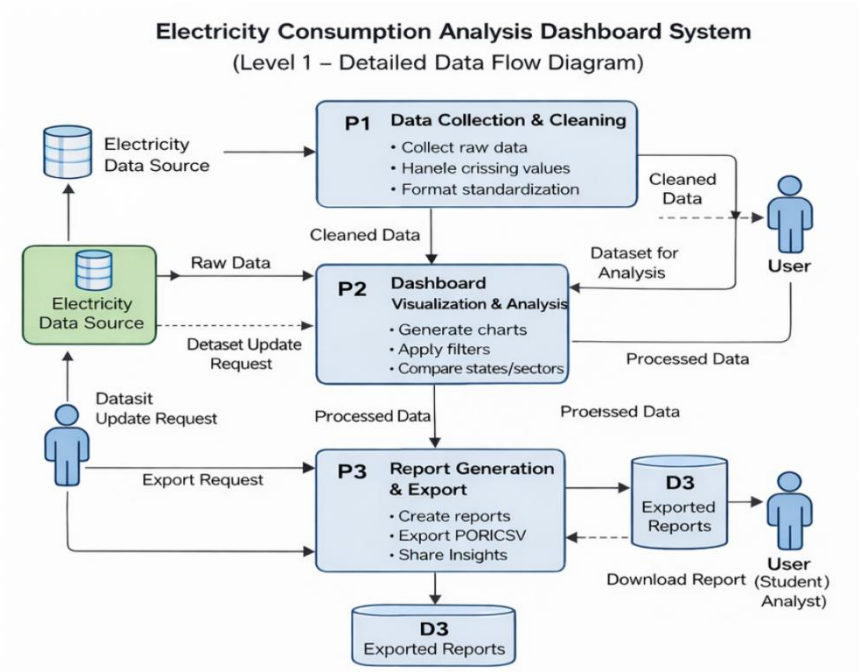
Project Design Phase-II
Data Flow Diagram & User Stories

Date	20 Jan 2026
Team ID	LTVIP2026TMIDS25025
Project Name	Plugging into the Future: An exploration of electricity
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 No	User Story / Task	Acceptance Criteria	Priority	Release
User (Student/Analyst)	Dashboard	USN-1	As a user, I can view overall electricity consumption data	Dashboard loads with visualizations	High	Sprint-1
User (Student/Analyst)	Visualization	USN-2	As a user, I can view state-wise electricity consumption	State-wise chart displays correctly	High	Sprint-1
User (Student/Analyst)	Visualization	USN-3	As a user, I can view year-wise consumption trends	Trend graph updates properly	High	Sprint-1
User (Student/Analyst)	Visualization	USN-4	As a user, I can view sector-wise electricity usage	Sector breakdown chart visible	High	Sprint-1
User (Student/Analyst)	Filtering	USN-5	As a user, I can filter data by state	Dashboard updates based on selected state	High	Sprint-1
User (Student/Analyst)	Filtering	USN-6	As a user, I can filter data by year	Dashboard updates based on selected year	High	Sprint-1
User (Student/Analyst)	Comparison	USN-7	As a user, I can compare electricity consumption between states	Comparison chart displays correctly	High	Sprint-1
User (Student/Analyst)	Insights	USN-8	As a user, I can identify high and low consumption states	System highlights consumption differences	Medium	Sprint-1
User (Student/Analyst)	Reports	USN-9	As a user, I can export dashboard data	Data downloads successfully in file format	Medium	Sprint-2
Administrator	Data Management	USN-10	As an admin, I can upload new electricity datasets	Dataset uploads without errors	High	Sprint-1
Administrator	Data Management	USN-11	As an admin, I can update existing datasets	Updated dataset reflects in dashboard	High	Sprint-1
Administrator	Data Management	USN-12	As an admin, I can manage dataset storage	Cleaned data stored and retrievable	Medium	Sprint-2