

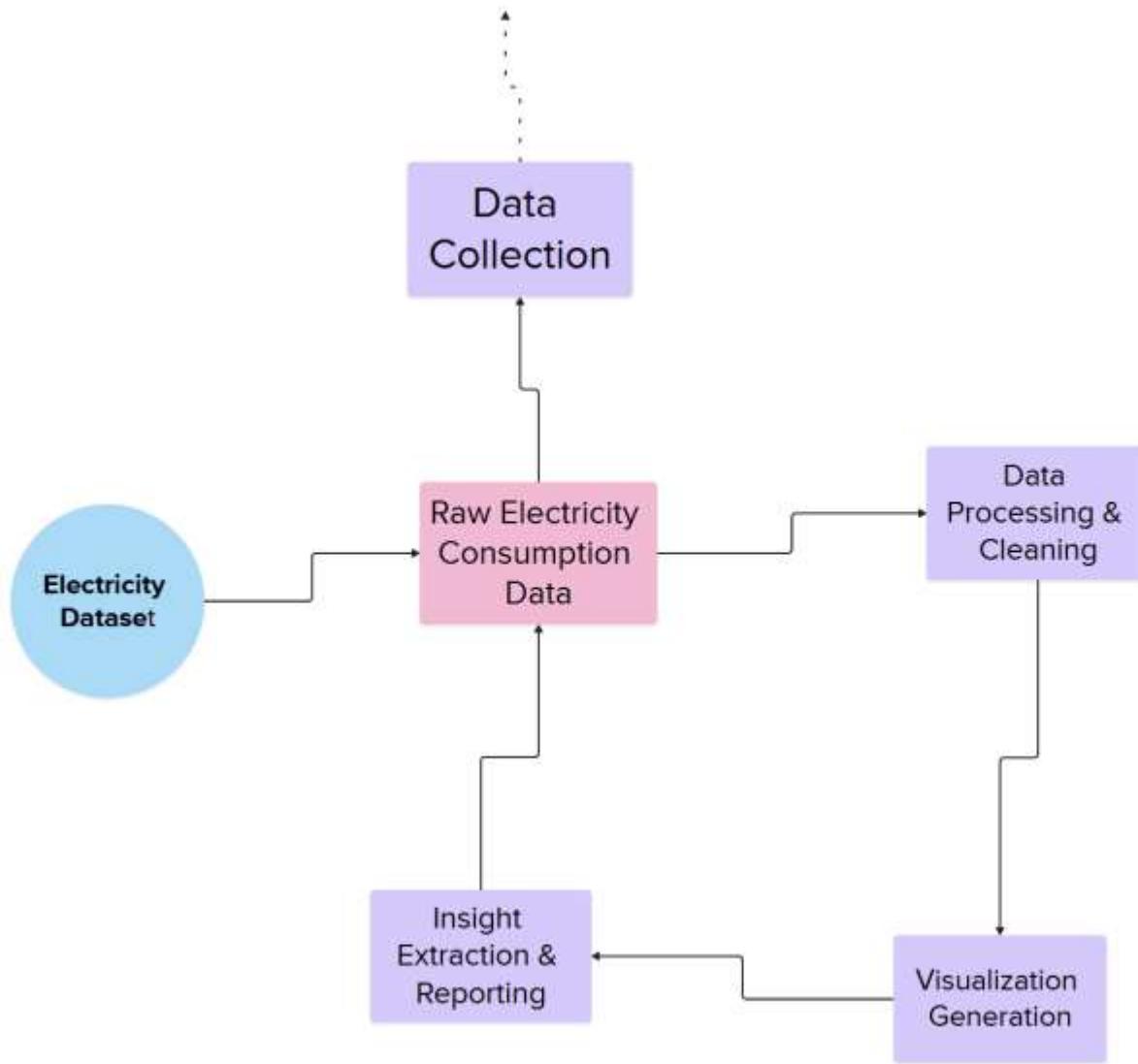
**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	09 February 2026
Team ID	LTVIP2026TMIDS80901
Project Name	Plugging in to the future : An exploration of electricity consumption patterns
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:** Electricity Consumption Analysis – DFD



## 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
Energy Analyst	Load Dataset	USN-1	As an analyst, I want to load the electricity dataset so that I can prepare it for visualization.	Dataset is successfully imported into Tableau	High	Sprint-1
Electricity Consumer	View Time-Based Trends	USN-2	As a user, I want to view monthly electricity consumption trends so that I can understand usage patterns.	Line chart displays month-wise consumption	High	Sprint-1
Electricity Consumer	Identify Peak Usage	USN-3	As a user, I want to identify peak electricity usage periods so that I can reduce high consumption.	Dashboard highlights peak periods	High	Sprint-1
Electricity Consumer	Category Comparison	USN-4	As a user, I want to compare electricity usage across categories so that I can identify high-consuming segments.	Bar chart shows category-wise comparison	Medium	Sprint-1
Electricity Consumer	Apply Filters	USN-5	As a user, I want to filter electricity data by time or category so that I can analyze specific patterns.	Filters dynamically update dashboard	High	Sprint-2
Electricity Consumer	Interactive Dashboard	USN-6	As a user, I want an interactive dashboard so that I can explore electricity consumption easily.	Dashboard responds without errors	High	Sprint-2
Energy Analyst	Visual Optimization	USN-7	As an analyst, I want well-formatted visualizations so that insights are clearly communicated.	Charts are properly labeled and readable	Medium	Sprint-2
Electricity consumer	Story Creation	USN-8	As a user, I want the analysis presented in a story format so that insights are logically structured.	Tableau story view created	Medium	Sprint-2