

# Requirement Analysis

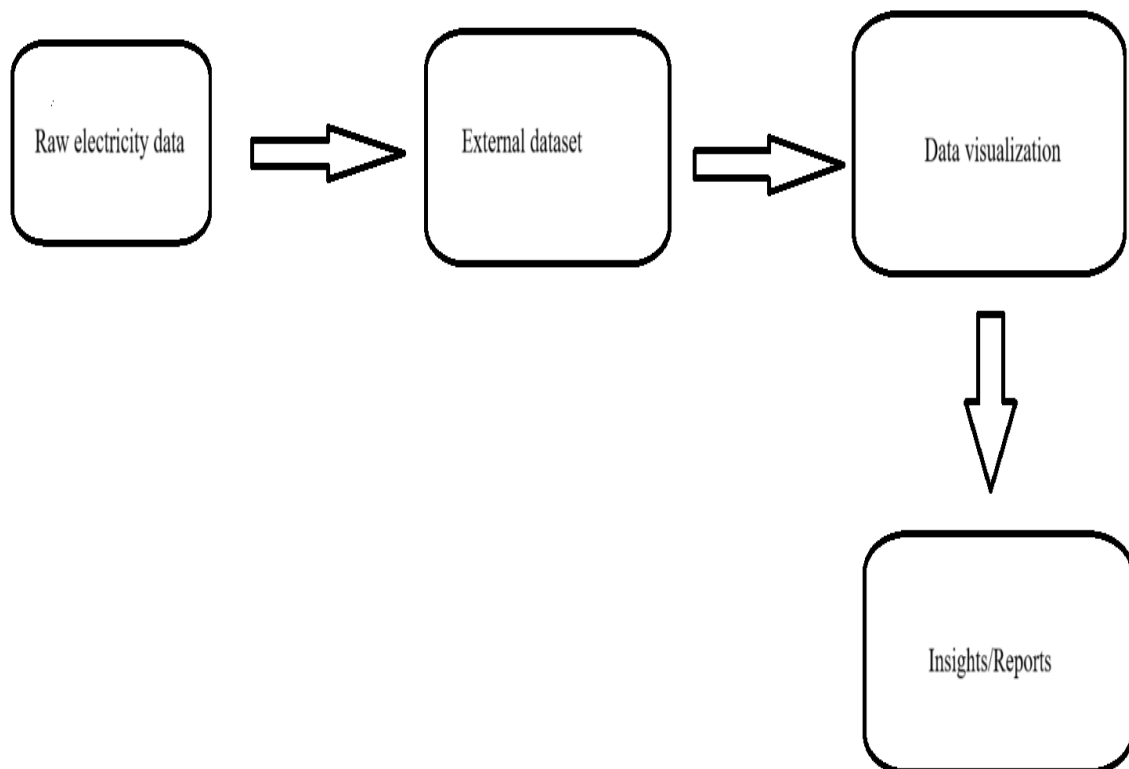
## *Data Flow Diagram & User Stories*

Date	25-06-2025
Team ID	LTVIP2025TMID20838
Project Name	Plugging Into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

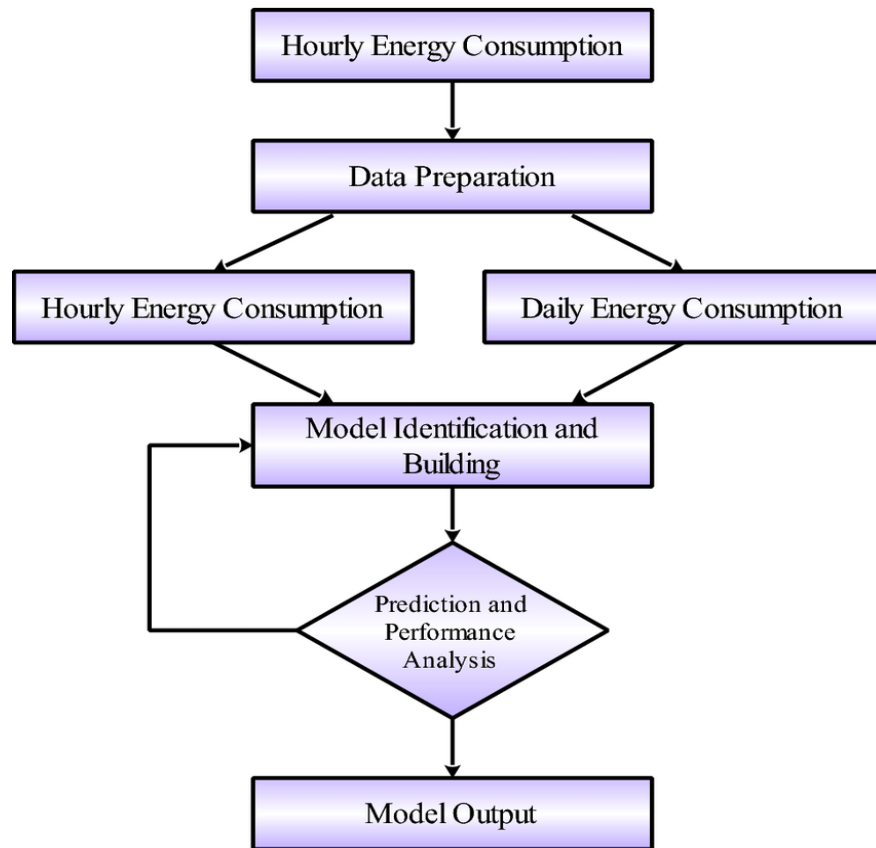
### **Data Flow Diagrams:**

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.

DFD Level 0 :



DFD Level 1 (industry level):



## User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Analyst / Researcher	Dashboard Access & Insights	USN-01	As a user, I can explore electricity consumption across sectors and regions using an interactive dashboard.	Able to filter and view data on-demand	High	Sprint-1
Power Utility Staff	Export & Reporting	USN-02	As a utility manager, I can download consumption reports filtered by month and region.	Excel/PDF report available	High	Sprint-2
Policy Maker	Trend Forecasting	USN-03	As a government user, I can identify peak usage trends and plan accordingly.	Visual trendlines are displayed	Medium	Sprint-2
Admin	Data Refresh	USN-04	As an admin, I can upload new data files to refresh the dashboard.	System reflects updated values	High	Sprint-1
Public Viewer	Access Summary Insights	USN-05	As a general user, I can view key highlights like top-consuming sectors.	Summary cards/charts available	Medium	Sprint-1