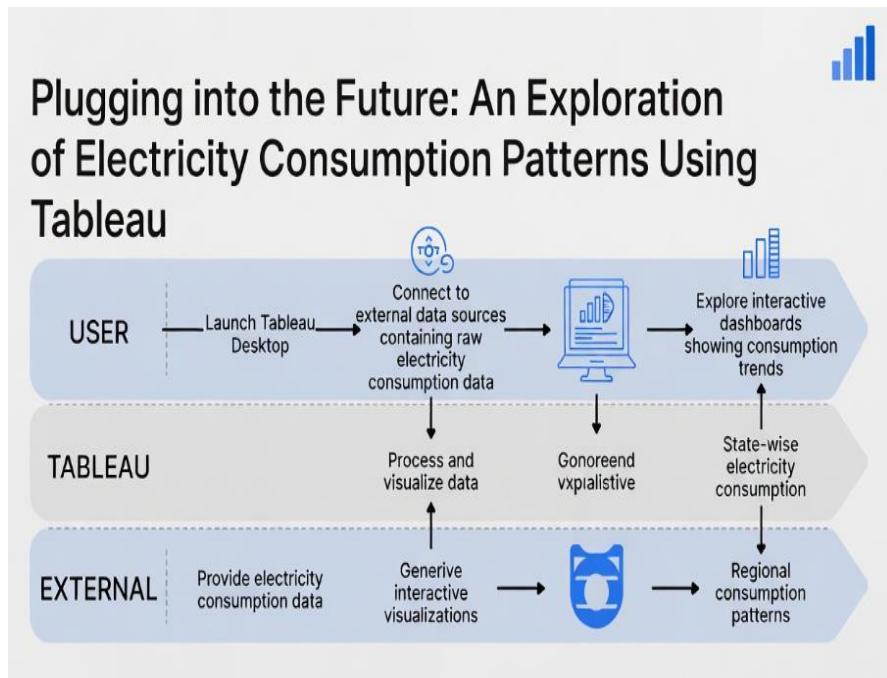


Project Design Phase-II

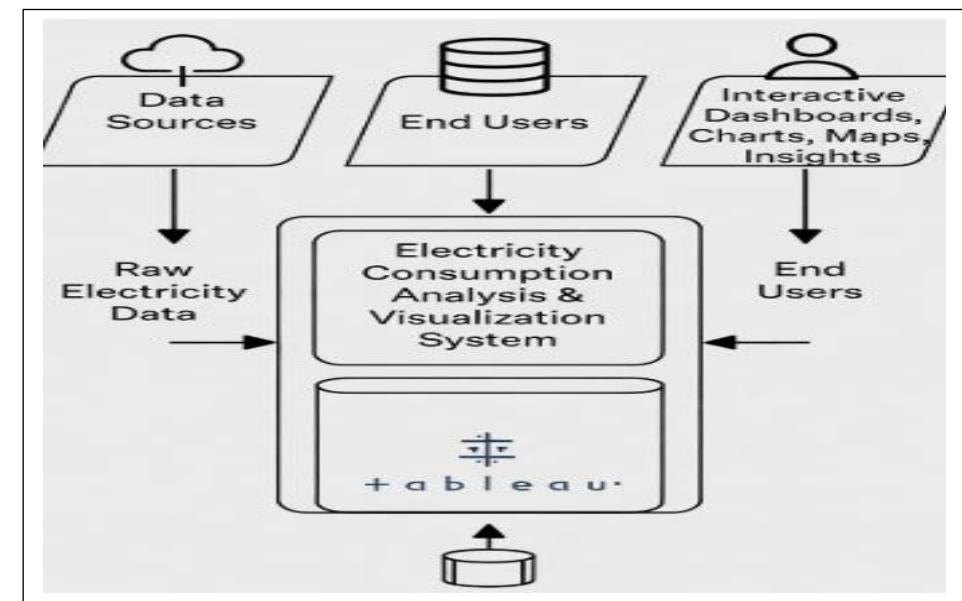
Data Flow Diagram & User Stories

Date	23 February 2026
Team ID	LTVIP2026TMIDS35942
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	4 Marks

Data Flow Diagrams:



DFD Level 0 : (Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau)



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
General Public / Student	Dashboard Access & Exploration	USN-1	As a viewer, I can open the Tableau Public dashboard to explore electricity consumption patterns in India (2019–2020).	Dashboard loads successfully; shows title "Plugging into the Future"; includes key visuals (line chart, bars, map, pie).	High	Sprint-1
General Public	View Temporal Trends	USN-2	As a viewer, I can see yearly and monthly consumption trends to understand changes (e.g., drop in 2020).	Line chart "Usage by Year" displays 2019–2020 data; monthly bars show seasonal patterns and YoY decline.	High	Sprint-1
Researcher / Analyst	Compare States & Regions	USN-3	As an analyst, I can view top/bottom N states and regional breakdowns to identify high/low consumption areas.	Top N / Bottom N bar charts show states like Maharashtra (highest), Sikkim/Mizoram (lowest); pie chart shows regional shares (e.g., WR highest).	High	Sprint-1
Policymaker	Geographic Visualization	USN-4	As a policymaker, I can view maps of state-wise consumption to spot regional disparities.	2019 and 2020 maps highlight states (e.g., darker for higher usage); tooltips show exact values.	Medium	Sprint-1
Researcher / Analyst	Interactive Filtering & Insights	USN-5	As an analyst, I can interact with filters/dates/regions to drill down into specific patterns (e.g., regional monthly).	Filters work on dashboard; hovering shows details; insights like "2020 decline possibly due to COVID lockdowns" noted in text.	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
General Public	Understand Overall Insights	USN-6	As a viewer, I can read summary insights on total consumption, regional dominance, and key trends.	Text objects or tooltips provide key takeaways (e.g., WR ~540k units, Maharashtra leader both years).	Medium	Sprint-1