Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	23 February 2026
Team ID	LTVIP2026TMIDS35942
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	**Data Collection & Preparation**	USN-1	As an analyst, I can import electricity consumption data into Tableau.	3	High	Gunneri Likhitha
Sprint-1	**Data Cleaning**	USN-2	As an analyst, I can clean and structure the dataset (Year, Month, Region, State, Usage).	3	High	Thota Dakshitha Raja
Sprint-2	**Dashboard Creation**	USN-3	As a user, I can view year-wise electricity consumption using bar charts.	5	High	Gunneri Likhitha
Sprint-2	**Trend Analysis**	USN-4	As a user, I can analyze monthly trends using line charts.	3	Medium	Batchu Pavan Kumar
Sprint-3	**Filter Integration**	USN-5	As a user, I can filter data by Year, Region, and State.	3	High	Prasadam Supriya
Sprint-3	**Top/Bottom Analysis**	USN-6	As a user, I can view Top N and Bottom N states based on usage.	3	Medium	Harijana Bharath
Sprint-4	**Story & Final Presentation**	USN-7	As a user, I can view insights in story format for better understanding.	4	High	Gunneri Likhitha

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	15 Jan 2026	20 Jan 2026	6	20 Jan 2026
Sprint-2	8	6 Days	21 Jan 2026	28 Jan 2026	8	28 Jan 2026
Sprint-3	6	6 Days	29 Jan 2026	3 Feb 2026	6	3 Feb 2026
Sprint-4	4	6 Days	4 Feb 2026	7 Feb 2026	4	7 Feb 2026

Velocity:

Total Story Points Completed = 24
Number of Sprints = 4

Average Velocity = 24 ÷ 4 = **6 Story Points per Sprint**

If sprint duration = 6 days
Velocity per day = 6 ÷ 6 = **1 Story Point per Day**

Burndown Chart:

A Burndown Chart was used to track the remaining work against time during each sprint. The chart shows the ideal work completion line and the actual progress line. The project maintained steady progress, and story points were completed within the planned sprint duration, indicating effective sprint planning and execution.