Project Planning Phase

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

Date	23 January 2026
Team ID	LTVIP2026TMIDS34997
Project Name	Project - Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a data analyst, I want to collect electricity usage data from open sources	2	High	K. Bhavya
Sprint-1	Data Preprocessing	USN-2	As a data analyst, I want to clean and format the dataset for use in Tableau	3	High	A.Pujitha
Sprint-1	Data Preprocessing	USN-3	As a user, I want to ensure all missing and categorical data are handled properly	3	Low	P.Pranavi
Sprint-2	Dashboard Layout	USN-4	As a designer, I want to create a visual wireframe layout for the dashboard	2	Medium	S.Shamili
Sprint-2	Data Visualization	USN-5	As a user, I want to view region -wise electricity usage on a map in Tableau	3	High	P. Chaitrika
Sprint-2	Data Visualization	USN - 6	As a user, I want to compare sector -wise electricity consumption	3	High	A.Pujitha
Sprint-2	Trend Analysis	USN - 7	As an analyst, I want to analyze electricity usage trends over time	5	High	K. Bhavya
Sprint-3	Filtering & Interactivity	USN - 8	As a user, I want to filter data by sector and region in Tableau	2	High	P. Chaitrika
Sprint-3	Deployment	USN - 9	As a team member, I want to publish the final dashboard to Tableau Public	3	Medium	S.Shamili

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Insight Summary	USN -10	As an analyst, I want to prepare a summary of insights from the dashboard	5	High	P.Pranavi
Sprint - 3	Review	USN -11	As a team, we want to conduct a review and finalize the project	3	Medium	K. Bhavya

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	8	5 Days	10 Jan 2026	15 Jan 2026	8	15 Jan 2026
Sprint-2	13	5 Days	16 Jan 2026	20 Jan 2026	13	20 Jan 2026
Sprint-3	13	5 Days	21 Jan 2026	25 Jan 2026	13	25 Jan 2026

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Total Story Points = 8 + 13 + 13 = 34
Number of Sprints = 3
Velocity = 34 / 3 = 11.3 Story Points/Sprint

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts