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

| Date | 2 0  February 2026 |
|---|---|
| Team ID | LTVIP2026TMIDS78338 |
| Project Name | Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau |
| Maximum Marks | 5 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 | |
| Sprint-1 | Data Preprocessing | USN-2 | As a data analyst, I want to clean and format the dataset for use in Tableau | 3 | High | |

| Sprint | | USN | User Story | | Priority | |
|---|---|---|---|---|---|---|
| Sprint-1 | Data Preprocessing | USN-3 | As a user, I want to ensure all missing and categorical data are handled properly | 3 | Medium | |
| Sprint-2 | Dashboard Layout | USN-4 | As a designer, I want to create a visual wireframe layout for the dashboard | 2 | High | |
| Sprint-2 | Data Visualization | USN-5 | As a user, I want to view region-wise electricity usage on a map in Tableau | 3 | High | |
| Sprint-2 | Data Visualization | USN-6 | As a user, I want to compare sector-wise electricity consumption | 3 | High | |
| Sprint-2 | Trend Analysis | USN-7 | As an analyst, I want to | 5 | High | |

| | | | analyze electricity usage trends over time | | | |
|---|---|---|---|---|---|---|
| Sprint-3 | Filtering & Interactivity | USN-8 | As a user, I want to filter data by sector and region in Tableau | 2 | High | |
| Sprint-3 | Deployment | USN-9 | As a team member, I want to publish the final dashboard to Tableau Public | 3 | High | |
| Sprint-3 | Insight Summary | USN-10 | As an analyst, I want to prepare a summary of insights from the dashboard | 5 | High | |
| Sprint-3 | Review | USN-11 | As a team, we want to conduct a review and finalize the project | 3 | Medium | |

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

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed |
|---|---|---|---|---|---|
| Sprint-1 | 8 | 5 Days | 01 Feb 2025 | 05 Feb 2025 | 8 |
| Sprint-2 | 13 | 5 Days | 06 Feb 2025 | 10 Feb 2025 | 13 |
| Sprint-3 | 13 | 5 Days | 11 Feb 2025 | 15 Feb 2025 | 13 |

## Velocity:

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**