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

| Date | 15 February 2025 |
|---|---|
| Team ID | LTVIP2025TMID47623 |
| Project Name | Exploration of Electricity Consumption Patterns |
| Maximum Marks | 5 Marks |

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

📂 **Product Backlog, Sprint Schedule & Estimation:**

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-1 | Data Setup & Cleaning | USN-1 | As an analyst, I want to upload and clean the electricity dataset so it's ready for use in Tableau | 2 | High | You + Teammates |
| Sprint-1 | Basic Visualization Design | USN-2 | As a user, I want to build bar and line charts to compare usage by state and monthly trends | 3 | High | You |
| Sprint-1 | Dashboard Filtering | USN-3 | As a user, I want to add filters (Year, Region, Lockdown) to interact with the dashboard | 2 | Medium | You |
| Sprint-2 | Advanced Visualizations | USN-4 | As a user, I want to visualize regional usage and event impact using filled maps and area charts | 4 | High | You + Peer |
| Sprint-2 | Highlight Table & Story | USN-5 | As a user, I want to see a quarterly usage summary and navigate insights through a Tableau Story | 3 | Medium | You |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Export & Sharing | USN-6 | As a stakeholder, I want to export visuals and share dashboards via Tableau Public or PDF | 1 | Low | You |

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

📊 **Project Tracker, Velocity & Burndown Chart:**

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| Sprint-1 | 7 | 6 Days | 01 Feb 2025 | 06 Feb 2025 | 7 | 06 Feb 2025 |
| Sprint-2 | 7 | 6 Days | 07 Feb 2025 | 12 Feb 2025 | 7 | 12 Feb 2025 |
| Sprint-3 | 4 | 6 Days | 13 Feb 2025 | 18 Feb 2025 | 4 | 18 Feb 2025 |

**Velocity:**

☐ Average Velocity = (Sprint-1 + Sprint-2 + Sprint-3) / 3

☐ Average Velocity = (7 + 7 + 4) / 3 = 6 story points per 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.