# Project Planning Phase

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

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|---|---|
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID20763 |
| 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 utility admin, I want to collect real-time electricity usage from smart meters.. | 3 | High | K sarveswara rao |
| Sprint-1 | Data Storage | USN-2 | As a developer, I want to store raw and processed data securely for analysis. | 3 | High | Kodali jyoni |
| Sprint-2 | Data Processing | USN-3 | As an analyst, I want to transform and clean data for better visualization. | 3 | medium | Kallu sravanthi |
| Sprint-2 | Dashboard Design | USN-4 | As a user, I want to view daily, weekly, and monthly energy usage visually | 3 | Medium | Kodali jyoni |
| Sprint-3 | Comparative Analysis | USN-5 | As a policymaker, I want to compare consumption across regions in Tablea | 3 | High | Kamisetti naga haritha |
| Sprint-4 | Notifications / Alerts | USN-6 | As a user, I want to receive alerts when energy usage exceeds a threshold. | 3 | | Kallu sravanthi |

**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 | 20 | 2Days | 14 JUNE 2025 | 16 JUNE 2025 | 20 | 16 JUNE 2025 |
| Sprint-2 | 20 | 8 Days | 17 JUNE 2025 | 23 JUNE 2025 | 20 | 23 JUNE 2025 |
| Sprint-3 | 20 | 4 Days | 24 JUNE 2025 | 27 JUNE 2025 | 20 | 27 JUNE 2025 |
| Sprint-4 | 20 | 2 Days | 28 JUNE 2025 | 30 JUNE 2025 | 20 | 30 JUNE 2025 |

**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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$