

Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID49443
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 USN-1	User Story / Task	Story Points	Priority	Team Members
Sprint-1	DataCollection		As a utility admin, I want to collect real-time electricity usage from smart meters.	3	High	Chavadi Kiran Ganesh
Sprint-1	Data Storage	USN-2	As a developer, I want to store raw and processed data securely for analysis.	2	High	Kothapalem Vijaya Vardhini
Sprint-2	Data Processing	USN-3	As an analyst, I want to transform and clean data for better visualization.	2	Medium	Depuru Joshika Reddy
Sprint-3	Dashboard Design	USN-4	As a user, I want to view daily, weekly, and monthly energy usage visually.	2	High	Kondireddy Sravani
Sprint-3	Comparative Analysis	USN-5	As a policymaker, I want to compare consumption across regions in Tableau.	1	Medium	Addepalli Nikhitha
Sprint-4	Notifications / Alerts	USN-6	As a user, I want to receive alerts when energy usage exceeds a threshold.	2	Low	Addepalli Nikhitha

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	2 Days	20-JUNE-2025	21-JUNE-2025	20 20 20 20	21-JUNE-2025
Sprint-2	20	2 Days	22-JUNE-2025	23-JUNE-2025		23-JUNE-2025
Sprint-3	20	2 Days	24-JUNE-2025	25-JUNE-2025		25-JUNE-2025
Sprint-4	20	2 Days	26-JUNE-2025	27-JUNE-2025		27-JUNE-2025

Buffer/Presentation:

28-Jun-2025–Final project compilation and presentation/demo.

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)

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

Burndown Chart:

A burndown 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>
