Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID47482
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	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	21-JUNE-2025
Sprint-2	20	2 Days	22-JUNE-2025	23-JUNE-2025	20	23-JUNE-2025
Sprint-3	20	2 Days	24-JUNE-2025	25-JUNE-2025	20	25-JUNE-2025
Sprint-4	20	2 Days	26-JUNE-2025	27-JUNE-2025	20	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)

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

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
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