Project Planning Phase

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

Date	21 June 2025
Team ID	LTVIP2025TMID51504
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 user, I can collect and clean the electricity dataset.	2	High	Mahi Kumar
Sprint-1	Data Collection	USN-2	As a user, I can store the dataset in a structured SQL database.	2	High	Vardhan
Sprint-1	Preprocessing	USN-3	As a user, I can view monthly and region-wise electricity consumption via dashboard.	3	High	Liyakhat
Sprint-1	Preprocessing	USN-4	As a user, I can filter charts by region, consumer type, and time period.	3	High	Gnana Deepika
Sprint-2	Dashboard Design	USN-5	As a user, I can navigate a story comparing pre, during, and post-COVID usage.	2	Medium	Gnana Deepika
Sprint 2	Dashboard Design	USN-6	As a user, I can view forecasted electricity usage for the next 3 months.	2	Medium	Mahi Kumar
Sprint 2	Web Integration	USN-7	As a user, I can access the dashboard and story from a web app (Flask).	3	High	Liyakhat
Sprint 2	Web Integration	USN-8	As a team, we will test the dashboard and prepare final documentation.	3	High	Vardhan

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	8	5 Days	18 June 2025	22 June 2025	8	22 June 2025
Sprint-2	16	5 Days	23 June 2025	27 June 2025	16	27 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)

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

Velocity = 24 SP / 10 days =

2.4

Burndown Chart: