

## Project Planning Phase

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

Date	26-06-2025
Team ID	LTVIP2025TMID20838
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	I can collect relevant electricity consumption datasets.	2	High	Yeddu Teja
Sprint-1		USN-2	I can collect relevant electricity consumption datasets.	3	High	Yeddu Teja
Sprint-2	Visualization	USN-3	I can visualize electricity data using Tableau.	4	Medium	Yerrapothu S V Manikanta Tagore
Sprint-3	Dashboard	USN-4	I can create an interactive dashboard in Tableau.	5	High	Sowmya Sri Ganapavarapu
Sprint-4	Documentation	USN-5	I can create project documentation and testing reports.	5	High	Yenduri K N S Karthik

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

Sprint	Total Story Points	Duration	Start Date	End Date	Completed	Sprint Release Date (Actual)
Sprint-1	5	5 Days	10 June 2025	15 June 2025	5	15 June 2025
Sprint-2	4	5 Days	20 June 2025	25 June 2025	4	25 June 2025
Sprint-3	5	5 Days	25 June 2025	30 June 2025	5	30 June 2025
Sprint-4	4	5 Days	30 June 2025	4 July 2025	4	4 July 2025

#### Velocity:

Imagine we have a 20-day sprint duration (4 sprints of 5 days each), and the total velocity of the team is 18 (story points completed across all sprints). So, the team's average velocity is 0.9 story points per day.

$$AV = \text{sprint duration} / \text{Velocity} = 18 / 20 = 0.9$$

#### Burndown Chart:

A burndown chart is used to track the remaining work in the sprint. It helps monitor project progress. For creating a burndown chart

visit: <https://www.visual-paradigm.com/scrum/scrum-burndown-chart>