

Project Planning Phase

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

Date	10 February 2026
Team ID	LTVIP2026TMIDS24589
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 data analyst, I want to collect electricity usage data from open sources	2	High	Maddala Yoga Siddhu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar

Sprint-1	Data Preprocessing	USN-2	As a data analyst, I want to clean and format the dataset for use in Tableau	3	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
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Sprint-1	Data Preprocessing	USN-3	As a user, I want to ensure all missing and categorical data are handled properly	3	Medium	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
Sprint-2	Dashboard Layout	USN-4	As a designer, I want to create a visual wireframe layout for the dashboard	2	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar

Sprint-2	Data Visualization	USN-5	As a user, I want to view region-wise electricity usage on a map in Tableau	3	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
Sprint-2	Data Visualization	USN-6	As a user, I want to compare sector-wise electricity consumption	3	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
Sprint-2	Trend Analysis	USN-7	As an analyst, I want to	5	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar

			analyze electricity			
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			usage trends over time			
Sprint-3	Filtering & Interactivity	USN-8	As a user, I want to filter data by sector and region in Tableau	2	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
Sprint-3	Deployment	USN-9	As a team member, I want to publish the final dashboard to Tableau Public	3	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
Sprint-3	Insight Summary	USN-10	As an analyst, I want to prepare a summary of insights from the dashboard	5	High	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar

Sprint-3	Review	USN-11	As a team, we want to conduct a review and finalize the project	3	Medium	Maddala Yoga Siddu, Surni Kurma Rao, Sai Ram Prasad, Matangi Eswar
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Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed
Sprint-1	8	5 Days	01 Feb 2025	05 Feb 2025	8
Sprint-2	13	5 Days	06 Feb 2025	10 Feb 2025	13
Sprint-3	13	5 Days	11 Feb 2025	15 Feb 2025	13

Velocity:

Total Story Points = $8 + 13 + 13 = 34$

Number of Sprints = 3

Velocity = $34 / 3 = 11.3$ Story Points/Sprint

Burndown Chart:

A burn down 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>