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

Date	15 February 2025
Team ID	LTVIP2025TMID49248
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	
Sprint-1	Data Preprocessing	USN-2	As a data analyst, I want to clean and format the dataset for use in Tableau	3	High	

Sprint						
Sprint-1	Data Preprocessing	USN-3	As a user, I want to ensure all missing and categorical data are handled properly	3	Medium	
Sprint-2	Dashboard Layout	USN-4	As a designer, I want to create a visual wireframe layout for the dashboard	2	High	
Sprint-2	Data Visualization	USN-5	As a user, I want to view region-wise electricity usage on a map in Tableau	3	High	
Sprint-2	Data Visualization	USN-6	As a user, I want to compare sector-wise electricity consumption	3	High	
Sprint-2	Trend Analysis	USN-7	As an analyst, I want to	5	High	

			analyze electricity 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	
Sprint-3	Deployment	USN-9	As a team member, I want to publish the final dashboard to Tableau Public	3	High	
Sprint-3	Insight Summary	USN-10	As an analyst, I want to prepare a summary of insights from the dashboard	5	High	
Sprint-3	Review	USN-11	As a team, we want to conduct a review and finalize the project	3	Medium	

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