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

Date	18 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
Maximum Marks	8 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 Union Budget data from reliable sources	2	High	Team Member-1
Sprint-1	Data Processing	USN-2	As a user, I can clean and prepare budget data for analysis	2	High	Team Member-1
Sprint-2	Data Visualization	USN-3	As a user, I can view sector-wise budget allocations in charts	3	High	Team Member-2
Sprint-2	Trend Analysis	USN-4	As a user, I can analyze year-wise budget trends	2	Medium	Team Member-1
Sprint-1	Dashboard	USN-5	As a user, I can view an interactive dashboard for analysis	3	High	Team Member-2
Sprint-3	Insights	USN-6	As a user, I can view sustainable growth insights	2	Medium	Team Member-2

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	6 Days	01 Jan 2026	06 Jan 2026	20	06 Jan 2026
Sprint-2	20	6 Days	07 Jan 2026	12 Jan 2026	18	12 Jan 2026
Sprint-3	20	6 Days	13 Jan 2026	18 Jan 2026	20	18 Jan 2026
Sprint-4	20	6 Days	19 Jan 2026	24 Jan 2026	20	24 Jan 2026

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 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