Project Planning Phase

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

Date	20 February 2026
Team ID	LTVIP2026TMIDS41526
Project Name	Empowering India: Analysing the Evolution of Union Budget Allocations for Sustainable Growth
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 & Storage	USN-1	As a system, I can collect historical Union Budget data from official sources.	5	High	Data Team
Sprint-1		USN-2	As a system, I can store collected data in database/cloud storage.	3	High	Data Team
Sprint-1	User Management	USN-3	As a user, I can register and login to access dashboard.	2	Medium	Backend Team
Sprint-2	Data Processing	USN-4	As an analyst, I can clean and preprocess budget datasets.	5	High	Data Team
Sprint-2		USN-5	As a system, I can categorize budget allocations (health, education, defence, etc.).	3	High	Data Team

Sprint-2	Dashboard	USN-6	As a user, I can view sector-wise allocation trends in charts.	4	High	Frontend Team
Sprint-3	Analytics & Forecasting	USN-7	As a researcher, I can analyze year-wise allocation growth trends.	5	High	ML Team
Sprint-3		USN-8	As a system, I can generate future allocation predictions using forecasting models.	5	Medium	ML Team
Sprint-3	Reports	USN-9	As a user, I can download analytical reports in PDF format.	3	Medium	Backend Team
Sprint-4	Sustainability Mapping	USN-10	As an analyst, I can map budget allocations to SDGs.	4	High	Data Team
Sprint-4		USN-11	As a user, I can compare Union Budget with State Budgets.	4	Medium	Data Team
Sprint-4	Performance Optimization	USN-12	As a system, I can handle large datasets efficiently.	3	Medium	Full Team

Project Tracker, Velocity s Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	6 Days	02 Feb 2026	07 Feb 2026	20	07 Feb 2026
Sprint-2	20	6 Days	08 Feb 2026	13 Feb 2026	18	14 Feb 2026
Sprint-3	20	6 Days	14 Feb 2026	19 Feb 2026	20	19 Feb 2026

Sprint-4	20	6 Days	15 Feb 2026	20 Feb 2026	19	20 Feb 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