

Project Planning Phase

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

Date	29 JUNE 2025
Team ID	LTVIP2025TMID30344
Project Name	Asset Management Portal
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	Asset Request System	USN-1	As a user, I can log into the system with valid credentials.	2	High	Member A, Member B
Sprint-1	Login and Access	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Member C
Sprint-2	Dashboard	USN-3	As an admin, I can mark assets as Lost, Damaged, or Repaired.	2	Low	Member B, Member D
Sprint-1	Asset Lifecycle Management	USN-4	As an admin, I receive email alerts when warranties are near expiry.	2	Medium	Member A, Member C
Sprint-1	Warranty Notification	USN-5	As an admin, I can view pie chart reports of asset status (Available vs Assigned).	1	High	Member D
Sprint-3	Reporting	USN-6	As an admin, I can run warranty alert jobs manually using background scripts. 2	3	Medium	Member B
Sprint-3	Manual Job Execution	USN-7	As an admin, I can run warranty alert jobs manually using background scripts. 2	5	high	Member C

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	8	6 Days	01 July 2025	06 July 2025	8	06 July 2025
Sprint-2	8	6 Days	08 July 2025	13 July 2025	8	13 July 2025
Sprint-3	4	6 Days	15 July 2025	20 July 2025	4	20 July 2025
Sprint-4	8	6 Days	15 July 2025	20 July 2025	4	20 July 2025

Velocity Calculation

- **Total story points completed: 20**
- **Total duration: 3 sprints × 6 days = 18 days**

- **Average Velocity (AV):**

$$AV = \frac{20 \text{ story points}}{18 \text{ days}} \approx 1.11 \text{ story points/day}$$
$$AV = \frac{18 \text{ days} \times 1.11 \text{ story points/day}}{20 \text{ story points}} \approx 1.11 \text{ story points/day}$$

Burndown Chart Overview

The Burndown Chart will show the sprint timeline on the X-axis and the remaining story points on the Y-axis. It helps visualize sprint progress and ensures all planned tasks are completed on time.

To create your burndown chart, you can use tools like:

- [Visual Paradigm Burndown Chart Tool](#)
- [Atlassian Burndown Chart Tutorial](#)

References

- [Atlassian Agile Tutorials](#)

- [Scrum Sprint Estimation](#)
- [Visual Paradigm – Scrum Burndown Chart](#)
- [Jira Software Scrum Guide](#)