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

Date	10 February 2026
Team ID	LTVIP2026TMIDS38963
Project Name	Heart Disease Analysis
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Team A
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Team A
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Team B
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Team A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Team B
	Dashboard					

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 Feb 2026	06 Feb 2026	20	06 Feb 2026
Sprint-2	20	6 Days	08 Feb 2026	13 Feb 2026	18	14 Feb 2026
Sprint-3	20	6 Days	15 Feb 2026	20 Feb 2026	20	20 Feb 2026
Sprint-4	20	6 Days	22 Feb 2026	27 Feb 2026	19	23 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.

A **Burndown Chart** shows:
- X-axis → Time (Days)
- Y-axis → Remaining Story Points
- Line goes down as work gets completed

Example for 20 Story Points Sprint:

Day	Remaining Points
Day 1	20
Day 2	18
Day 3	15
Day 4	12
Day 5	8
Day 6	4
Day 7	0

As work progresses, remaining points reduce to zero.

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