

## Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS76464
Project Name	"Advancing Nutrition Science Through Gemini AI"
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Palak Suryawanshi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Veera Lakshmi Oleti
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Palak Suryawanshi
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Venkata Ramayya Bandaru
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Veera Lakshmi Oleti
	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	24 Oct 2025	29 Oct 2025	20	29 Oct 2025
Sprint-2	20	6 Days	31 Oct 2025	05 Nov 2025		
Sprint-3	20	6 Days	07 Nov 2025	12 Nov 2025		
Sprint-4	20	6 Days	14 Nov 2025	19 Nov 2025		

**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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

**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>