

Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS66228
Project Name	Advancing nutrition science through geminiai
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	Application Setup	USN-1	Configure Streamlit page layout and dark theme	2	High	Team
Sprint-1	Meal Planning	USN-2	Implement user input fields (restrictions, calorie goal, activity)	3	High	Team
Sprint-1	Meal Planning	USN-3	Generate 7-day personalized meal plan display	5	High	Team
Sprint-2	Nutritional Insights	USN-4	Implement food input & nutritional dataframe display	3	High	Team
Sprint-2	Nutritional Insights	USN-5	Create macronutrient bar chart visualization	3	Medium	Team
Sprint-2	Virtual Coaching	USN-6	Develop chat interface with session state	3	High	Team
Sprint-2	Virtual Coaching	USN-7	Add motivation tracker & progress progress bar	2	Medium	Team

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

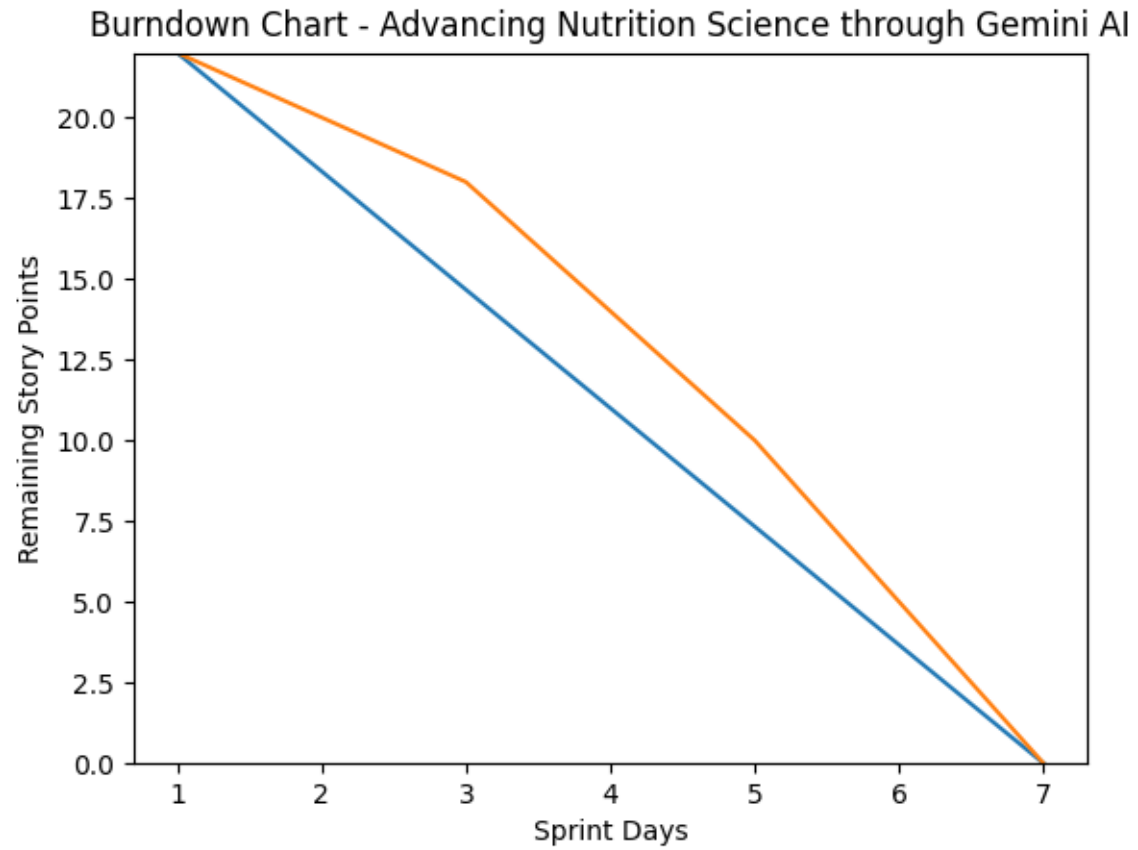
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	7 Days	01 Jan 2026	07 Jan 2026	10	07 Jan 2026
Sprint-2	12	7 Days	08 Jan 2026	14 Jan 2026	12	14 Jan 2026
Sprint-3	20	6 Days	07 Feb 2026	12 Feb 2026	10	12 Feb 2026
Sprint-4	20	6 Days	14 Feb 2026	19 Feb 2026	12	19 Feb 2026

Velocity:

In this project, Sprint-1 completed 10 story points and Sprint-2 completed 12 story points. Total story points = 22. Number of sprints = 2. Average Velocity = $22 / 2 = 11$ Story Points per Sprint.

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

Burndown Chart:



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>