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

Date	11 February 2026
Team ID	LTVIP2026TMIDS71298
Project Name	Flavour Fusion: AI-Driven Recipe Blogging
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	User Interface Development	USN-1	Design Streamlit layout and sidebar input	2	High	Frontend Dev
Sprint-1	User Interface Development	USN-2	Implement recipe topic input field	1	High	Frontend Dev
Sprint-1	User Interface Development	USN-3	Implement word count selection slider (100–2000)	2	High	Frontend Dev
Sprint-1	AI Integration	USN-4	Integrate Google Gemini API	5	High	AI Dev
Sprint-1	AI Integration	USN-5	Create structured prompt template	3	High	AI Dev
Sprint-1	AI Integration	USN-6	Display generated recipe content in UI	3	High	Full Stack Dev
Sprint-2	Content Formatting	USN-7	Format output into structured blog sections	3	Medium	Backend Dev
Sprint-2	Content Export	USN-8	Implement Markdown file generation	3	High	Backend Dev
Sprint-2	Content Export	USN-9	Implement download functionality (.md file)	2	High	Full Stack Dev
Sprint-2	User Experience Enhancement	USN-10	Add loading indicator during AI processing	2	Medium	Frontend Dev
Sprint-2	User Experience Enhancement	USN-11	Display random programming joke during loading	2	Low	Frontend Dev
Sprint-2	System Reliability	USN-12	Implement input validation and error handling	3	High	Full Stack Dev
Sprint-2	Testing & Deployment	USN-13	Perform functional testing and local deployment	3	High	Full Stack Dev

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	16	7 Days	01 Feb 2026	07 Feb 2026	16	07 Feb 2026
Sprint-2	20	7 Days	08 Feb 2026	14 Feb 2026	20	14 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)

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

Total Story Points Completed = 16 + 20 = 36
Number of Sprints = 2

Velocity = 36 / 2

Velocity = 18 Story Points per Sprint

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.