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

Date	15 February 2026
Team ID	LTVIP2026TMIDS71395
Project Name	AutoSage App Using Gemini Flash
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

The following table represents the product backlog and sprint-wise planning for the **AutoSage** project.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	User Interface Setup	USN-1	As a user, I want a Streamlit-based interface to upload vehicle images easily.	2	High	All Team members	28 January 2026	31 January 2026
Sprint-1	Image Upload Validation	USN-2	As a user, I want the system to validate the uploaded image format (jpg, jpeg, png).	1	High	All Team members	28 January 2026	31 January 2026
Sprint-2	AI Model Integration	USN-3	As a user, I want the system to analyze vehicle images using the Gemini Flash model.	3	High	All Team members	02 February 2026	09 February 2026
Sprint-2	Prompt Engineering	USN-4	As a user, I want the system to generate structured vehicle details like brand, mileage, and price.	2	High	All Team members	02 February 2026	09 February 2026

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-3	Output Display	USN-5	As a user, I want to view the generated vehicle details clearly on the screen.	2	High	All Team members	12 February 2026	18 February 2026
Sprint-3	Deployment	USN-6	As a user, I want the AutoSage application to be deployed and accessible through the browser.	2	Medium	All Team members	12 February 2026	18 February 2026

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	4 Days	28 January 2026	31 January 2026	20	31 January 2026
Sprint 1	20	4 Days	28 January 2026	31 January 2026	20	31 January 2026
Sprint 2	20	8 Days	02 February 2026	09 February 2026	20	09 February 2026
Sprint 2	20	8 Days	02 February 2026	09 February 2026	20	09 February 2026
Sprint 3	20	7 Days	12 February 2026	18 February 2026	20	18 February 2026
Sprint 3	20	7 Days	12 February 2026	18 February 2026	20	18 February 2026
Sprint 1	20	4 Days	28 January 2026	31 January 2026	20	31 January 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)

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