Project Planning Phase

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

Date	12 February 2026
Team ID	LTVIP2026TMIDS88090
Project Name	AUTOSAGE APP USING GEMINI FLASH
Maximum Marks	5 Marks

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

Project Name:

AUTOSAGE APP USING GEMINI FLASH

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Core UI Setup	USN-1	Design and implement main Web UI layout with Sidebar and Tabs (Smart Query, Smart Vision, Multimodal Analysis)	3	High	Sudheer
Sprint-1	Gemini Integration	USN-2	Integrate Gemini 2.5 Flash API with backend	5	High	Sudheer
Sprint-1	Prompt Analysis	USN-3	As a user, I can submit a vehicle query and receive a structured intelligence report	3	High	Sudheer
Sprint-1	Prompt Analysis	USN-4	As a user, I can upload a vehicle image for AI-based vehicle identification	3	High	Sudheer
Sprint-2	Multimodal Analysis	USN-5	As a user, I can upload image + text query and receive a combined intelligence report	5	High	Sudheer
Sprint-2	Structured Output Engine	USN-6	Implement structured automotive report format with strict section consistency	3	High	Sudheer
Sprint-2	Powertrain Detection Logic	USN-7	System detects ICE vs EV using visual + textual cues	3	Medium	Sudheer
Sprint-3	Sidebar Controls	USN-8	System detects ICE vs EV using visual + textual cues	2	Medium	Sudheer
Sprint-3	Validation Logic	USN-9	Implement vehicle type & purpose controls influencing prompt context	2	Medium	Sudheer

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Deployment	USN-10	Deploy AutoSage using Streamlit Cloud	3	Medium	Sudheer

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	7 Days	02 Feb 2026	08 Feb 2026	20	08 Feb 2026
Sprint-2	18	8 Days	09 Feb 2026	16 Feb 2026	18	16 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)

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