

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

Date	15 January 2026
Team ID	LTVIP2026TMIDS61777
Project Name	Gemini Pro Financial Decoder
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Application Setup	USN-1	As a developer, I can set up the Python environment and install required libraries.	2	High	Team
Sprint-1	File Upload Implementation	USN-2	As a user, I can upload a CSV or Excel financial file.	3	High	Team
Sprint-1	Data Processing	USN-3	As a system, I can read and process uploaded financial data using Pandas.	3	High	Team
Sprint-1	API Integration	USN-4	As a system, I can integrate Google Gemini API to generate financial insights.	5	High	Team
Sprint-2	Security Implementation	USN-5	As a developer, I can store API keys securely using environment variables.	3	High	Team
Sprint-2	Dashboard Metrics	USN-6	As a user, I can view total sales, units sold, and average price.	3	High	Team

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Data Visualization	USN-7	As a user, I can view sales by country and product charts.	3	High	Team
Sprint-2	Testing	USN-8	As a developer, I can perform functional and performance testing.	3	Medium	Team
Sprint-2	Documentation	USN-9	As a developer, I can prepare GitHub repository and project documentation.	5	Medium	Team

Total Story Points per Sprint

Sprint-1 = 2 + 3 + 3 + 5 = 13 Story Points

Sprint-2 = 3 + 3 + 3 + 3 + 5 = 17 Story Points

Total Story Points = 30

Project Tracker, Velocity and Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date
Sprint-1	13	10 Days	15 Feb 2025	24 Feb 2025	13	24 Feb 2025
Sprint-2	17	10 Days	25 Feb 2025	06 Mar 2025	17	06 Mar 2025

Velocity Calculation

Velocity = Total Story Points Completed / Number of Sprints

Total Story Points = 30

Number of Sprints = 2

Velocity = $30 / 2 = 15$ Story Points per Sprint

If sprint duration is 10 days:

Average Velocity per Day = $15 / 10 = 1.5$ Story Points per Day

Burndown Chart Description

A burndown chart represents the remaining work versus time during a sprint.

For this project:

Sprint-1 started with 13 story points and gradually reduced to zero by the planned sprint end date.

Sprint-2 started with 17 story points and was also completed within the planned timeline.

This indicates steady progress and effective sprint planning during the development of the Gemini Pro Financial Decoder application.

A burndown chart visually shows work decreasing over time, demonstrating structured sprint execution and proper workload distribution.

Burndown Chart for Software Development Sprint

