Project Planning Phase

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

Date	27 june 2025
Team ID	LTVIP2025TMID59171
Project Name	HealthAI: Intelligent Healthcare Assistant Using IBM Granite
Maximum Marks	4 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Patient Registration	USN-1	As a user, I can register patients by entering name, age, and gender.	2	High	[Member 1]
Sprint-1	Patient Registration	USN-2	As a user, I can store registration data into MySQL database securely.	1	High	[Member 2]
Sprint-1	Symptom Entry + Storage	USN-3	As a user, I can input symptoms and vital signs (BP, heart rate, glucose) via Streamlit interface.	3	High	[Member 3]
Sprint-1	Disease Prediction	USN-4	As a user, I receive predicted diseases based on symptoms using Hugging Face/IBM Granite.	4	High	[Member 4]
Sprint-2	Health Analytics Dashboard	USN-5	As a user, I can visualize health trends (vitals) using line charts and pie charts.	3	Medium	[Member 1]
Sprint-2	Treatment Plan Generation	USN-6	As a user, I receive personalized treatment plans using AI.	3	High	[Member 2]
Sprint-2	Patient Chat	USN-7	As a user, I can ask medical questions and	4	Medium	[Member 3]

| Sprint-2 | Deployment | USN-8 | receive AI-generated health responses. | | | |
| Sprint-2 | Deployment | USN-8 | As a user, I can access the app via Streamlit Cloud with proper .env API setup. | 4 | High | [Member 4] |

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	5 Days	01 May 2025	05 May 2025	10	05 May 2025
Sprint-2	14	5 Days	06 May 2025	10 May 2025	14	10 May 2025

Velocity

Velocity = Total Story Points Completed / Number of Sprints
= (10 + 14) / 2 = 24 / 2 = 12

Team Velocity = 12 Story Points per Sprint

Velocity per day (for 5-day sprint):
12 / 5 = 2.4 Story Points/day

Burndown Chart:

A Burndown Chart shows how many story points remain each day during a sprint. It helps track project progress and whether you're ahead or behind.

Learn more:

- [Visual Paradigm – Scrum Burndown Chart](#)

- [Atlassian Guide on Burndown Charts](#)

References:

- https://www.atlassian.com/agile/project-management

- https://www.atlassian.com/agile/tutorials/epics

- https://www.atlassian.com/agile/tutorials/sprints

- https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

- https://www.atlassian.com/agile/project-management/estimation