

Project Planning Phase

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

Date	26 th June 2025
Team ID	LTVIP2025TMID37742
Project Name	HealthAI — Intelligent Healthcare Assistant
Maximum Marks	5 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	User Interface Setup	USN-1	As a user, I can access a clean, interactive Streamlit-based interface for health consultation.	2	High	
Sprint-1	Symptom Input	USN-2	As a user, I can enter my symptoms or health conditions through a text input field.	1	High	
Sprint-2	AI DIAGNOSIS	USN-3	As a user, I can receive AI-generated health advice, suggested home remedies, and prescriptions based on my input.	2	Low	
Sprint-1	Chat History Management	USN-4	As a user, I can view my previous consultation history during the session and clear it when needed.	2	Medium	
Sprint-1	Environment Variable Security	USN-5	As a developer, I can securely manage API tokens via a .env file for safe model access.	1	High	
Sprint-2	Model Integration	USN-6	As a developer, I can integrate Hugging Face's model pipeline to handle text input and return healthcare advice	2	medium	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Home Remedies & Prescription Listing	USN-7	As a user, I receive a structured response listing home remedies, OTC medicine suggestions, and general advice.	3	medium	
Sprint-3	Deployment	USN-8	As a user, I can access the application online via a deployed Streamlit cloud link.	3	high	

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)		
Sprint-1	20	3 Days	12 th June 2025	15 th June 2025		
Sprint-2	20	4 Days	16 th June 2025	20june 2025		
Sprint-3	20	3 Days	21ste June 2025	24 Nov 2022		

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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

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

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

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

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

<https://www.atlassian.com/agile/tutorials/burndown-charts>