Project Planning Phase

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

Date	30 june 2025
Team ID	LTVIP2025TMID32662
Project Name	Intelligent Healthcare assistant using IBM Granite
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	**Core Backend & API Setup**	USN-1	As a developer, I can set up a FastAPI server and connect it to IBM Watsonx using an API key.	3	High	**Byreddi Bharath**
Sprint-1	**Core Backend & API Setup**	USN-2	As a developer, I can create modular files for prompts, AI client logic, and functionalities.	2	High	**Byreddi Bharath**
Sprint-2	**Symptom Checker**	USN-3	As a user, I can enter my symptoms, and the AI will provide a list of potential conditions.	5	High	**Byreddi Bharath**
Sprint-3	**Prescription Analysis**	USN-4	As a user, I can enter prescription text, and the AI will extract key details like drug name and dosage.	5	High	**Byreddi Bharath**
Sprint-3	**Diet Recommendation**	USN-5	As a user, I can enter my health goals, and the AI will generate a relevant diet plan.	5	Medium	**Byreddi Bharath**
Sprint-3	**Basic Frontend**	USN-6	As a user, I can see a basic but functional HTML page with a form to submit my queries	3	High	**Byreddi Bharath**

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	5	5 Days	03 June 2024	07 June 2024	5	07 June 2024
Sprint-2	5	5 Days	10 June 2024	14 June 2024	5	14 June 2024
Sprint-3	13	5 Days	17 June 2024	21 June 2024	13	21 June 2024

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)

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

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