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

Date	09 June 2025
Team ID	LTVIP2025TMID33353
Project Name	**HealthAI: 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	Registration & Login	USN-1	As a user, I can register using name and email address.	2	High	Lokendranath
Sprint-1		USN-2	As a user, I can log in using my registered credentials.	1	High	Lokendranath
Sprint-1	Chatbot	USN-3	As a user, I can ask health-related queries and receive AI-powered responses.	5	High	Lokendranath
Sprint-1	Disease Prediction	USN-4	As a user, I can select symptoms and receive disease prediction with confidence level.	3	High	Lokendranath
Sprint-2	Treatment Plans	USN-5	As a user, I can view treatment plans based on predicted disease.	2	Medium	Lokendranath
Sprint-2	Health Analytics	USN-6	As a user, I can input health data (height, weight, glucose, etc.) and get BMI and analysis.	5	High	Lokendranath
Sprint-2		USN-7	As a user, I can view graphs and AI-generated insights about my health over time.	3	Medium	Lokendranath
Sprint-2	Deployment	USN-8	As a user, I can interact with the deployed web app via Flask on my browser.	4	High	Lokendranath

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	6 Days	28 May 2025	02 June 2025	20	02 June 2025
Sprint-2	20	6 Days	03 June 2025	08 June 2025	18	09 June 2025
Sprint-3	20	6 Days	10 June 2025	15 June 2025	15	16 June 2025
Sprint-4	20	6 Days	17 June 2025	22 June 2025	20	22 June 2025

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)

Velocity = Total Story Points Completed ÷ Number of Sprints

- Total Story Points Completed = 20 + 18 + 15 + 20 = 73
- Number of Sprints = 4
- Team Velocity = 73 ÷ 4 = 18.25 story points per sprint

Average Velocity per Day

Each sprint = 6 days
- Average Daily Velocity = 18.25 ÷ 6 ≈ 3.04 story points/day

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.

Sprint Burndown Chart

Effort

100%

50%

20%

0%

Day 1   Day 2   Day 3   Day 4   Day 5   Day 6

—— Actual Effort   —— Estimated Effort