# Project Planning Phase

Date: 26 June 2025

Team ID: LTVIP2025TMID20363

Project Name: HealthAI: Intelligent Healthcare Assistant

## 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 | Application Setup | USN-1 | Set up FastAPI backend and project structure | 2 | High | All |
| Sprint-1 | Model Integration | USN-2 | Connect to IBM Watson ML and test API with .env | 2 | High | Chandana, Charan |
| Sprint-2 | Patient Chat | USN-3 | Implement chat-based health query system using IBM Granite | 3 | High | Shrivalli |
| Sprint-2 | Disease Prediction | USN-4 | Accept symptoms, generate predictions using Granite | 5 | High | Charan |
| Sprint-3 | Treatment Plans | USN-5 | Generate treatment plan for a diagnosis | 4 | High | Sindhu |
| Sprint-3 | Health Analytics | USN-6 | Display charts for BP, glucose, heart rate | 3 | Medium | Shrivalli |
| Sprint-4 | UI Polish | USN-7 | Finalize UI: sidebar, colors, layout | 2 | Medium | Chandana |
| Sprint-4 | Deployment | USN-8 | Deploy the FastAPI app using Uvicorn + hosting setup | 3 | High | Charan |

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

| **Sprint** | **Total Story Points** | **Sprint Start Date** | **Sprint End Date** | **Story Points Completed** | **Sprint Release Date** |
| --- | --- | --- | --- | --- | --- |
| Sprint-1 | 4 | 01 July 2025 | 06 July 2025 | 4 | 06 July 2025 |
| Sprint-2 | 8 | 07 July 2025 | 12 July 2025 | 8 | 12 July 2025 |
| Sprint-3 | 7 | 13 July 2025 | 18 July 2025 | 6 | 18 July 2025 |
| Sprint-4 | 5 | 19 July 2025 | 24 July 2025 | 4 | 24 July 2025 |

## Velocity:

Average Velocity = (4 + 8 + 6 + 4) / 4 = 5.5 story points per sprint

## Burndown Chart:

