# Project Planning Phase

Date: 26 June 2025

Team ID: LTVIP2025TMID20350

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 | Initialize the Streamlit app and virtual environment | 2 | High | All |
| Sprint-1 | Model Integration | USN-2 | Connect to IBM Watson ML and test authentication | 2 | High | Lithan, Jai |
| Sprint-2 | Patient Chat | USN-3 | Ask health queries and get AI responses | 3 | High | Mahitha |
| Sprint-2 | Disease Prediction | USN-4 | Input symptoms and receive predicted conditions | 5 | High | Jai |
| Sprint-3 | Treatment Plans | USN-5 | Receive a treatment plan for a diagnosed condition | 4 | High | Niharika |
| Sprint-3 | Health Analytics | USN-6 | View health metrics via graphs | 3 | Medium | Mahitha |
| Sprint-4 | UI Polish | USN-7 | Clean UI with sidebar and titles | 2 | Medium | Lithan |
| Sprint-4 | Deployment | USN-8 | Deploy the app for live usage | 3 | High | Jai |

## 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:

