**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story Points)**

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| --- | --- |
| Date | 27 june 2025 |
| Team ID | LTVIP2025TMID59171 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 4 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 | Patient Registration | USN-1 | As a user, I can register patients by entering name, age, and gender. | 2 | High | [Member 1] |
| Sprint-1 | Patient Registration | USN-2 | As a user, I can store registration data into MySQL database securely. | 1 | High | [Member 2] |
| Sprint-1 | Symptom Entry + Storage | USN-3 | As a user, I can input symptoms and vital signs (BP, heart rate, glucose) via Streamlit interface. | 3 | High | [Member 3] |
| Sprint-1 | Disease Prediction | USN-4 | As a user, I receive predicted diseases based on symptoms using Hugging Face/IBM Granite. | 4 | High | [Member 4] |
| Sprint-2 | Health Analytics Dashboard | USN-5 | As a user, I can visualize health trends (vitals) using line charts and pie charts. | 3 | Medium | [Member 1] |
| Sprint-2 | Treatment Plan Generation | USN-6 | As a user, I receive personalized treatment plans using AI. | 3 | High | [Member 2] |
| Sprint-2 | Patient Chat | USN-7 | As a user, I can ask medical questions and receive AI-generated health responses. | 4 | Medium | [Member 3] |
| Sprint-2 | Deployment | USN-8 | As a user, I can access the app via Streamlit Cloud with proper .env API setup. | 4 | High | [Member 4] |

**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 | 10 | 5 Days | 01 May 2025 | 05 May 2025 | 10 | 05 May 2025 |
| Sprint-2 | 14 | 5 Days | 06 May 2025 | 10 May 2025 | 14 | 10 May 2025 |

**Velocity**

**Velocity** = Total Story Points Completed / Number of Sprints  
**= (10 + 14) / 2 = 24 / 2 = 12**

**Team Velocity = 12 Story Points per Sprint**

**Velocity per day** (for 5-day sprint):  
**12 / 5 = 2.4 Story Points/day**

**Burndown Chart:**

A Burndown Chart shows how many story points remain each day during a sprint. It helps track project progress and whether you're ahead or behind.

Learn more:

* [Visual Paradigm – Scrum Burndown Chart](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)
* [Atlassian Guide on Burndown Charts](https://www.atlassian.com/agile/tutorials/burndown-charts)

**References:**

* https://www.atlassian.com/agile/project-management
* https://www.atlassian.com/agile/tutorials/epics
* https://www.atlassian.com/agile/tutorials/sprints
* https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
* https://www.atlassian.com/agile/project-management/estimation