**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID32140 |
| 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 | Authentication | USN-1 | As a user, I can register/login using email and password | 2 | High | G Ravi Teja |
| Sprint-1 | Authentication | USN-2 | As a user, I can view success/error messages during registration/login | 1 | Medium | Darelli Vivek |
| Sprint-1 | Symptom Identifier | USN-3 | AS a user I can enter symptoms and get disease predictions from the AI model | 3 | High | Dande Amulya |
| Sprint-1 | Home Remedies | USN-4 | As a user, I can input a disease name and get natural remedies from the AI | 2 | Medium | |  | | --- | |  |  |  | | --- | | Chitturi Poojitha | |
| Sprint-1 | Chatbot | USN-5 | As a user, I can chat with the AI doctor for personalized help | 3 | High | G Ravi Teja |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | Voice Support | | USN-6 | |  | | --- | |  |  |  | | --- | | As a user, I can use voice input for chatbot queries | | 2 | Medium | Darelli Vivek |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | Image Upload (Prototype) | | USN-7 | As a user, I can upload an image for future AI-based diagnosis | 1 | Low | Dande Amulya |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | Help Section | | USN-8 | |  | | --- | |  |  |  | | --- | | As a user, I can view app usage instructions and support guidance | | 1 | Low | Chitturi Poojitha |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | UI Enhancements | | USN-9 | As a user, I can interact with a clean, animated, mobile-friendly Gradio UI | 2 | Medium | G Ravi Teja |
| Sprint-2 | Testing & Optimization | USN-10 | As a developer, I can test each function and ensure responses are accurate | 3 | High | All Members |

**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 | 11 | 5 Days | 15 June 2025 | 19 June 2025 | 11 | 19 June 2025 |
| Sprint-2 | 9 | 5 Days | 20 June 2025 | 24 June 2025 | 9 | |  | | --- | |  |  |  | | --- | | 24 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)



**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). 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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)