**Project Planning Phase**

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

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| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID60012 |
| 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 | Data Collection | USN-1 | Collect medical data like symptoms and health records. | 2 | High | Hemanth Reddy |
| Sprint-1 | Data Collection | USN-2 | Load data into the system in a readable format. | 1 | High | Hemanth Reddy |
| Sprint-1 | Data Preprocessing | USN-3 | Clean the data by handling missing values. | 3 | High | Hemanth Reddy, Sandya |
| Sprint-1 | Data Preprocessing | USN-4 | Convert text data into numbers (encode categorical values). | 2 | Medium | Hemanth Reddy, Sandya |
| Sprint-2 | Model Building | USN-5 | Build AI model using IBM Watson for disease prediction. | 5 | High | Pranay Vyas |
| Sprint-2 | Model Testing | USN-6 | Test the model to make sure it gives accurate results. | 3 | High | Pranay Vyas |
| Sprint-2 | Deployment (UI Pages) | USN-7 | Create simple web pages to show results and interact with users. | 3 | Medium | Pravallika |
| Sprint-2 | Deployment (Cloud Hosting) | USN-8 | Deploy the app using Flask or Streamlit. | 5 | High | Pravallika |

**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 | 2 June 2025 | 8 June 2025 | 20 | 8 June 2025 |
| Sprint-2 | 20 | 6 Days | 9 June 2025 | 14 June 2025 | 20 | 14 June 2025 |
| Sprint-3 | 20 | 6 Days | 14 June 2025 | 20 June 2025 | 20 | 20 June 2025 |
| Sprint-4 | 20 | 6 Days | 20 June 2025 | 26 June 2025 | 20 | 26 June 2025 |
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**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/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

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