**Project Planning Phase**

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

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| --- | --- |
| Date | 25 june 2025 |
| Team ID | LTVIP2025TMID31490 |
| Project Name | HealthAI: intelligent healthcare assistant |
| 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 | **Accept user input (name and symptoms)** | USN-1 | As a user, I want to input my name and symptoms easily | 3 | High | B.Tejasri |
| Sprint-1 | Convert symptoms into a structured prompt | USN-2 | As a developer,i want to process symptoms into a structured prompt | 2 | High | B.Tejasri |
| Sprint-1 | Generate AI response using 'granite | USN-3 | As a system,i want to send Prompts to IBM Granite and return Response | 5 | High | B.Tejasri |
| Sprint-1 | Display Model response to the user | USN-4 | As a user, I want to receive a list of possible conditions | 2 | High | B.Tejasri |
| Sprint-2 | Show timestamp and disclaimer | USN-5 | As a user, I Want to see a timestamp and disclaimer after the result | 2 | Medium | A.Baba Fakruddin |
| Sprint 2 | Ensure the system works with multiple inputs | USN-6 | As a stakeholder,i want to test with various symptoms. | 3 | Medium | A.Baba Fakruddin |
| Sprint 2 | Provide a simple web Ul | USN-7 | As a user,i want to interact via web or Streamlit | 5 | Low | B .Badrinath |
| Sprint 2    Sprint 3 | enable easy deployment and  reuse | USN-8    USN-9 | As a developer,i want the project to be deployable | 3    3 | Medium    Medium | A.Baba Fakruddin |

As a team ,i want the project documented

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
|  | provide  Documentation and usage guide |  |  |  |  | Ashok kumar Reddy |

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

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 12 | 5 Days | 18 june 2025 | 27 june 2025 | 12 | 27 june 2025 |
| Sprint-2 | 13 | 5 Days | 22june 2025 | 27 june 2025 | 5-8 | 27 june 2025 |
| Sprint-3 | 3 | 3 Days | 24 june 2025 | 27 june 2025 | 3 | 27 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)

**Velocity =total story points completed in the script**

**÷**

**Sprint duration**

**= 12÷5**

**=2.4 story points/ day**

**Burndown chart**

**Burndown chart tracks how many story points remain over days in a sprint. For Sprint 1:**

**Day 1: 12 points**

**Day 2: 10 points (Input form complete)**

**Day 3: 8 points (Prompt builder complete)**

**Day 4: 3 points (Model integrated)**

**Day 5: 0 points (Output displayed)**

# Reference: https://www.microsoft.com/en-us/industry/health /microsoft-cloud-healthcare https://cloud.google.com/customers/mayo-clinic