**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 19/05/2025 – 30/06/2025 |
| Team ID | LTVIP2025TMID31711 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks | 5 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 | **Profile Setup** | USN-1 | As a user, I must fill and save my health profile to proceed. | 2 | High | Supriya |
| Sprint-1 | Profile Confirmation | USN-2 | Profile gets saved locally to allow access to HealthAI features. | 1 | High | Himani |
| Sprint-1 | Login (Local Session) | USN-3 | Enable users to continue session after saving profile. | 1 | Medium | Nandini |
| Sprint-2 | Symptom Checker | USN-4 | Enter symptoms and get disease prediction. | 3 | High | Supriya |
| Sprint-2 | Treatment Suggestion | USN-5 | Generate AI-based treatment advice. | 3 | High | Nandini |
| Sprint-2 | Chronic Logger | USN-6 | Log vitals like glucose and heart rate. | 2 | Medium | Supriya |
| Sprint-3 | Analytics | USN-7 | View health trend charts. | 3 | Medium | Nandini |
| Sprint-3 | Email Output (optional) | USN-8 | Send treatment summaries via email. | 2 | Low | Himani |
| Sprint-4 | Dashboard | USN-9 | Display all features in a single view. | 3 | High | Supriya & Team |

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

**Sprint Tracker**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Start Date** | **Planned End Date** | **Story Points Completed** | **Actual Release Date** |
| Sprint-1 | 4 Points | 3 Days | 15 June 2025 | 17 June 2025 | 4 Points | 17 June 2025 |
| Sprint-2 | 8 Points | 3 Days | 18 June 2025 | 20 June 2025 | 8 Points | 20 June 2025 |
| Sprint-3 | 5 Points | 3 Days | 21 June 2025 | 23 June 2025 | 5 Points | 23 June 2025 |
| Sprint-4 | 3 Points | 4 Days | 24 June 2025 | 27 June 2025 | 3 Points | 27 June 2025 |

**Velocity Calculation**

Velocity is calculated as:

Velocity = Story Points Completed / Sprint Duration (in days)

* Sprint-1: 4 / 3 = 1.33 points/day
* Sprint-2: 8 / 3 = 2.67 points/day
* Sprint-3: 5 / 3 = 1.67 points/day
* Sprint-4: 3 / 4 = 0.75 points/day

👉 Average Velocity = (4 + 8 + 5 + 3) / (3 + 3 + 3 + 4)  
👉 = 20 / 13 = ~1.54 points/day

**Burndown Chart:**

|  |  |
| --- | --- |
| **Date** | **Remaining Story Points** |
| 15 June | 20 (Start) |
| 17 June | 16 |
| 20 June | 8 |
| 23 June | 3 |
| 27 June | 0 (Completed) |