**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID29210 |
| Project Name | **Health AI: 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 | Environment Setup | USN-1 | Set up Streamlit project structure with virtual environment and dependencies | 2 | High | Adabala PujithaSri Naga GangaBhavani |
| Sprint-1 | Disease Prediction | USN-2 | Integrate disease prediction ML model with symptom input UI and display predictions | 4 | High | Datla Vijaya Durga Devi |
| Sprint-1 | Treatment Plan Generator | USN-3 | Integrate treatment plan generation model and display personalized recommendations | 4 | High | Datla Vijaya Durga Devi |
| Sprint-1 | Health Analytics Dashboard | USN-4 | Develop dashboard to display patient vitals trends with Altair visualizations | 4 | High | Adabala PujithaSri Naga GangaBhavani |
| Sprint-2 | |  | | --- | |  |  |  | | --- | | Patient Chat | | USN-5 | Integrate Chat NLP model for health query assistance | 3 | Medium | Animireddy Sai Gowtham |
| Sprint-2 | Authentication | USN-7 | Implement user login and authentication with Firebase | 3 | Medium | Dwarampudi Navya Bindhu |
| Sprint-2 | Deployment & Testing | USN-8 | Deploy application and conduct unit & integration testing | 3 | Medium | Animireddy Sai Gowtham |

**Velocity & Timeline**

**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-1 | 14 | 4 Days | 01 Feb 2025 | 05 Feb 2025 | 14 |
| Sprint-2 | 12 | 4 Days | 06 Feb 2025 | 10 Feb 2025 | 12 |

**Total Story Points:** 26

**Sprint Duration:** 1 week each

**Velocity:** 5-6 story points/week

**Estimated Completion:** 4 weeks (including Testing & Deployment)

**Burndown Chart:**

