**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID31912 |
| Project Name | Health AI: 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 | Data Collection | USN-1 | As a developer, I want to collect health-related text data for AI model training. | 2 | High | Vyshnavi, Archana |
| Sprint-1 | Data Preprocessing | USN-2 | As a developer, I want to clean and preprocess the data to handle missing values. | 3 | High | Vyshnavi, Archana |
| Sprint-1 | Data Preprocessing | USN-3 | As a developer, I want to encode categorical values properly. | 2 | Medium | Vyshnavi, Archana |
| Sprint-2 | Model Building | USN-4 | As a user, I want the model to identify disease based on symptoms using prompts. | 5 | High | Vyshnavi, Archana |
| Sprint-2 | Testing | USN-5 | As a tester, I want to verify the model’s responses for different inputs. | 3 | High | Vyshnavi, Archana |
| Sprint-2 | Frontend | USN-6 | As a user, I want to access the model via a Gradio UI with tabs for each feature. | 3 | High | Vyshnavi, Archana |
| Sprint-2 | Deployment | USN-7 | As a developer, I want to deploy the app using Gradio or Flask. | 5 | High | Vyshnavi, Archana |

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

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed | Sprint Release Date |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 8 | 5 Days | 17 June 2025 | 21 June2025 | 8 | 17 June2025 |
| Sprint-2 | 16 | 5 Days | 21 June 2025 | 25 June 2025 | 16 | 21 June 2025 |

**Velocity Calculation**

Velocity = Total Story Points Completed / Number of Sprints  
= (8 + 16) / 2 = 12 Story Points/Sprint