**Project Planning Phase**

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

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| --- | --- |
| Date | 25 June 2025 |
| Team ID | LTVIP2025TMID30393 |
| 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 | As a developer, I want to collect relevant health datasets for training the model. | 2 | High | Thummala Vikram Reddy |
| Sprint-1 | Data Collection | USN-2 | As a developer, I want to load and explore the dataset for structure and content. | 1 | High | Ediga Sunil |
| Sprint-1 | Data Preprocessing | USN-3 | Handle missing values in dataset using appropriate techniques. | 3 | High | Sorakayala Sumanth |
| Sprint-1 | Data Preprocessing | USN-4 | Encode and normalize categorical values in the dataset. | 2 | Medium | Midde Kevin Viswas |
| Sprint-2 | Model Building | USN-5 | Build a predictive model using AI/ML algorithms on the cleaned data. | 5 | High | Sorakayala Sumanth |
| Sprint-2 | Model Evaluation | USN-6 | Test and evaluate the model performance using metrics like accuracy and F1-score. | 3 | High | Midde Kevin Viswas |
| Sprint-2 | UI/UX Development | USN-7 | Design and build frontend to input user health parameters. | 3 | Medium | Thummala Vikram Reddy |
| Sprint-2 | Backend Deployment | USN-8 | Deploy the model using Flask to receive input and return predictions. | 5 | High | Ediga Sunil |

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

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start** | **Sprint End** | **Story Points Completed** | **Sprint Release Date** |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint-1** | **8** | **7 Days** | **01 June 2025** | **07 June 2025** | **8** | **07 June 2025** |
| **Sprint-2** | **16** | **7 Days** | **08 June 2025** | **14 June 2025** | **16** | **14 June 2025** |
| **Sprint-3** | **—** | **6 Days** | **15 June 2025** | **20 June 2025** | **—** | **—** |
| **Sprint-4** | **—** | **5 Days** | **21 June 2025** | **25 June 2025** | **—** | **—** |

**Velocity:**



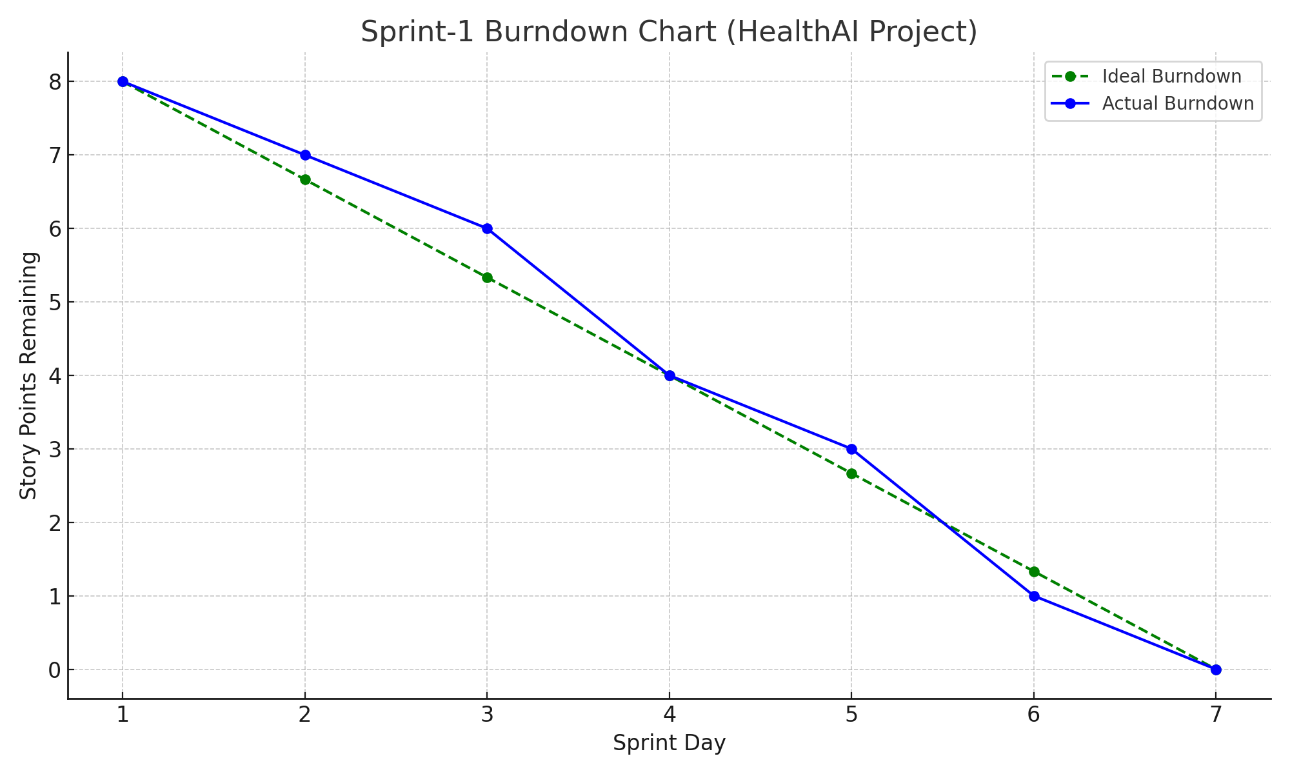
**Total Story Points (completed):** 24

**Number of Sprints (completed):** 2

**Velocity:** 24 / 2 = 12 story points per sprint

**Velocity per day:** 12 SP / 6 days = 2 SP/day (average)

**Burndown Chart:**

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