**HealthAI: Intelligent Healthcare Assistant Using IBM Granite**

This includes:

* **Epics**, **Stories**, and **Story Points**
* Estimated in **Fibonacci effort points** (1, 2, 3, 5, 8, 13...)

**Sprint Planning Overview**

**Epics:**

1. Model Integration & Architecture
2. Core Feature Development
3. Frontend Interface
4. Deployment & Testing

**Sprint 1: (5 Days)**

Focus: **Model Integration & Core Backend**

**Epic 1: Model Integration & Architecture**

|  |  |
| --- | --- |
| **Story** | **Story Points** |
| Research IBM Granite model | 2 |
| Set up API Key & environment configs | 1 |

**Epic 2: Core Feature Development**

|  |  |
| --- | --- |
| **Story** | **Story Points** |
| Create Patient Registration system (MySQL) | 2 |
| Store Vitals & Symptoms in database | 2 |
| Integrate Hugging Face for disease prediction | 3 |

**Total Story Points (Sprint 1)** = **10**

**Sprint 2: (5 Days)**

Focus: **Frontend, Health Analytics, and Deployment**

**Epic 3: Frontend Interface**

|  |  |
| --- | --- |
| **Story** | **Story Points** |
| Build Streamlit UI for registration + vitals | 2 |
| Design health metric visualizations (charts) | 3 |
| Add disease prediction display interface | 3 |

**Epic 4: Deployment & Testing**

|  |  |
| --- | --- |
| **Story** | **Story Points** |
| Implement secure .env configuration | 1 |
| Deploy to Streamlit Cloud (or localhost) | 3 |
| Testing & bug fixes across pages | 2 |

**Total Story Points (Sprint 2)** = **14**

**Summary**

|  |  |
| --- | --- |
| **Sprint** | **Story Points** |
| Sprint 1 | 10 |
| Sprint 2 | 14 |
| **Total** | **24** |

**Velocity Calculation**

**Velocity = Total Story Points Completed / Number of Sprints**

* Total Story Points = 10 (Sprint 1) + 14 (Sprint 2) = **24**
* Number of Sprints = **2**

**Velocity = 24 / 2 = 12 Story Points/Sprint**

**Story Point Difficulty Mapping**

|  |  |
| --- | --- |
| **Difficulty Level** | **Story Points** |
| Very Easy | 1 |
| Easy | 2 |
| Moderate | 3 |
| Difficult | 5+ |