HealthAI Project – Sprint Planning Document

Project Title: HealthAI – Intelligent Healthcare Assistant  
Student: Lakshmi (BTech 3rd Year)  
Team Members: Lakshmi + 3 members  
Tools Used: IBM Granite, IBM Cloud, Hugging Face, Google Colab, Python

# Key Concepts

• Sprint: A fixed period during which the team works to complete a set of tasks.  
• Epic: A large project objective broken into smaller tasks (stories) across multiple sprints.  
• Story: A smaller, actionable task within an Epic.  
• Story Point: A numerical estimate (often Fibonacci numbers) representing the effort for a story.

## Story Point Effort Scale

1 – Very Easy  
2 – Easy  
3 – Moderate  
5 – Difficult

# Sprint 1 (5 Days): Data Preparation

|  |  |  |
| --- | --- | --- |
| Task Category | Task | Story Points |
| Data Collection | Collect health-related data | 2 |
| Data Collection | Load data into Colab/Notebook | 1 |
| Data Preprocessing | Handle missing values | 3 |
| Data Preprocessing | Encode categorical features | 2 |

Total Story Points Sprint 1: 8

# Sprint 2 (5 Days): Model Development & Deployment

|  |  |  |
| --- | --- | --- |
| Task Category | Task | Story Points |
| Model Building | Build disease prediction model | 5 |
| Model Building | Test & validate the model | 3 |
| Deployment | Develop HTML frontend for chatbot | 3 |
| Deployment | Deploy using Flask on IBM Cloud | 5 |

Total Story Points Sprint 2: 16

# Velocity Calculation

Total Story Points = 8 (Sprint 1) + 16 (Sprint 2) = 24  
Number of Sprints = 2  
Velocity = Total Story Points / Number of Sprints = 24 / 2 = 12 Story Points per Sprint  
  
Your team’s velocity is 12 Story Points per Sprint.