**Agile Sprint Planning – LiverCare AI Project**

**Key Agile Terms (Used in This Plan)**

* **Sprint:** A 5-day period where specific tasks are completed
* **Epic:** A large milestone (e.g., Data Handling, Model Building)
* **Story:** A specific, actionable task within an Epic
* **Story Point:** Estimated effort for each task (1=Very Easy, 5=Difficult)
* **Velocity:** Average story points completed per sprint

**Sprint 1 (5 Days) – Data Preparation Phase**

**Epic 1: Data Collection & Preprocessing**

| **Story** | **Story Point** |
| --- | --- |
| Collect UCI Liver Cirrhosis Data | 2 (Easy) |
| Load and Explore Dataset | 1 (Very Easy) |
| Handle Missing Values | 3 (Moderate) |
| Encode Categorical Features | 2 (Easy) |

**Total Sprint 1 Story Points: 8**

**Sprint 2 (5 Days) – Model & Deployment Phase**

**Epic 2: Model Building and Deployment**

| **Story** | **Story Point** |
| --- | --- |
| Train XGBoost Model | 5 (Difficult) |
| Evaluate and Test the Model | 3 (Moderate) |
| Build Flask Web App Backend | 5 (Difficult) |
| Design HTML/CSS Pages | 3 (Moderate) |

**Total Sprint 2 Story Points: 16**

**Sprint Summary**

* **Sprint 1 Story Points: 8**
* **Sprint 2 Story Points: 16**
* **Total Story Points: 24**
* **Total Sprints: 2**
* **Velocity: Total Story Points / Number of Sprints = 24 / 2 = 12**

**Your team’s velocity = 12 Story Points per Sprint**

**Example:**

