**Planning Logic**

**Agile Terminology Reference**

* Sprint: A fixed period (typically 5 days in this plan) during which a team works to complete a set of tasks.
* Epic: A large project or task too big for a single sprint, broken down into smaller tasks called Stories.
* Story: A small, manageable task that is part of an Epic.
* Story Point: A number indicating the effort required to complete a Story, generally following the Fibonacci sequence:
  + 1: Very Easy task
  + 2: Easy task
  + 3: Moderate task
  + 5: Difficult task

**Sprint Planning**

**Sprint 1 (5 Days)**

**Epic: Data Preparation**

| **Story** | **Story Points** |
| --- | --- |
| **Collection of Data** | **2** |
| **Loading Data** | **1** |
| **Handling Missing Values** | **3** |
| **Handling Categorical Values** | **2** |

**Total Story Points (Sprint 1): 8**

**Sprint 2 (5 Days)**

**Epic: Model Building & Deployment**

| **Story** | **Story Points** |
| --- | --- |
| **Model Building** | **5** |
| **Testing Model** | **3** |
| **Working HTML Pages** | **3** |
| **Flask Deployment** | **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 Completed / Number of Sprints  
  Velocity = 24 / 2 = 12 Story Points per Sprint**

**Conclusion:  
Your team’s velocity is 12 Story Points per Sprint, which helps in future sprint planning and capacity estimation.**