## **Agile Sprint Planning Summary**

### **Key Terms:**

* **Sprint:** A fixed period (e.g., 5 days) in which a team completes a set of tasks.
* **Epic:** A large body of work broken down into smaller Stories.
* **Story:** A user-focused task that contributes to the Epic.
* **Story Points:** A relative measure of the effort required to complete a story, often using the Fibonacci sequence (1, 2, 3, 5, 8...).

## **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** | **8** |

## **Sprint 2: (5 Days)**

### **Epic: Model Development and Deployment**

| **Story** | **Story Points** |
| --- | --- |
| Model Building | 5 |
| Testing Model | 3 |
| Working HTML Pages | 3 |
| Flask Deployment | 5 |
| **Total** | **16** |

## **Velocity Calculation**

| **Metric** | **Value** |
| --- | --- |
| Total Story Points | 24 (8 + 16) |
| Number of Sprints | 2 |
| **Team Velocity** | **12 Story Points/Sprint** |

**Interpretation:**

Our team completes 12 Story Points per sprint on average. This helps in estimating future sprint capacity and setting realistic delivery timelines for upcoming tasks.