

- **Sprint:** A sprint is a fixed period or duration in which a team works to complete a set of tasks.
- **Epic:** An epic is a large task or project that is too big to be completed within a single sprint. It is broken down into smaller tasks, known as stories, which can be completed over multiple sprints.
- **Story:** A story is a small task and is part of an Epic.
- **Story Point:** A story point is a numerical representation of the effort required to complete a story. These are typically assigned using the Fibonacci series.
  - Very Easy task
  - Easy task
  - Moderate task
  - Difficult task

### **Example Sprint Breakdown:**

#### **Sprint 1: (5 Days)**

- **Data Collection**
  - Collection of Data: 2 Story Points
  - Loading Data: 1 Story Point
- **Data Preprocessing**
  - Handling Missing Values: 3 Story Points
  - Handling Categorical values: 2 Story Points

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

- **Model Building**
  - Model Building: 5 Story Points
  - Testing Model: 3 Story Points
- **Deployment**
  - Working HTML Pages: 3 Story Points
  - Flask deployment: 5 Story Points

### **Total Story Points:**

- Sprint 1 = 8 Story Points
- Sprint 2 = 16 Story Points

### **Velocity Calculation:**

Velocity = Total Story Points Completed / Number of Sprints

Total Story Points = 16 + 8 = 24 Story Points

Number of Sprints = 2

Velocity = (16 + 8) / 2 = 24 / 2 = 12 Story Points per Sprint

**Your team's velocity is 12 Story Points per Sprint.**