# **Project Logic**

A Sprint fixed period or duration in which a team works to complete a set of tasks

An **Epic** is a **big task or project** that is too large to complete in one sprint. It is broken down into **smaller tasks (stories)** that can be completed over multiple sprints.

A **Story** is a small task. It is part of an **Epic**.

A **Story Point** is a number that represents how much effort a story takes to complete. (usually in form of Fibonacci series)

### **Sprint Planning and Story Points Overview**

**Team Members: 4** 

**Sprint Duration:** 5 days per sprint **Task Complexity Categories:** 

• Very Easy Task: 1 Story Point

• **Easy Task:** 2 Story Points

Moderate Task: 3 Story PointsDifficult Task: 5 Story Points

#### Sprint 1: (5 Days)

**Module: Data Collection and Preprocessing** 

- Data Collection:
  - o Collection of Data: 2 Story Points (Easy Task)
  - Loading Data: 1 Story Point (Very Easy Task)
- Data Preprocessing:
  - Handling Missing Values: 3 Story Points (Moderate Task)
  - Handling Categorical Values: 2 Story Points (Easy Task)

Total Story Points for Sprint 1: 2 + 1 + 3 + 2 = 8

## Sprint 2: (5 Days)

**Module: Model Building and Deployment** 

- Model Building:
  - Building Model: 5 Story Points (Difficult Task)
  - Testing Model: 3 Story Points (Moderate Task)
- Deployment:
  - Working HTML Pages: 3 Story Points (Moderate Task)
  - o Flask Deployment: **5 Story Points** (Difficult Task)

**Total Story Points for Sprint 2:** 5 + 3 + 3 + 5 = 16

#### **Calculations**

1. Total Story Points Completed Across Sprints:

2. Number of Sprints:

2

3. Velocity (Story Points per Sprint):

Velocity = Total Story Points / Number of Sprints

Velocity = 24 / 2 = 12 Story Points per Sprint