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 Points
- **Difficult Task:** 5 Story Points

Sprint 1: (5 Days)

Module: Data Collection and Preprocessing

- **Data Collection:**
    - 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)
    - 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:**
   Sprint 1 (8) + Sprint 2 (16) = **24 Story Points**
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**