A Sprint

A fixed period (e.g., 5 days) in which a team works to complete a set of tasks.

Epic

A large feature or project that spans multiple sprints. It is broken down into Stories.

Story

A smaller task that is part of an Epic and can typically be completed in one sprint.

Story Point

unit of measure representing the effort required to complete a Story. Often estimated using the Fibonacci sequence (1, 2, 3, 5, 8, etc.).

Effort Estimation Scale

- **1-** Very Easy task:1 Story Point
- **2-** Easy task:2 Story Points
- **3-** Moderate task:3 Story Points
- **5-** Difficult task:5+ Story Points

Sprint 1: (5 Days)

Data Collection

Epic: Data Preparation

Story: Collection of Data – 2 SP

Story: Loading Data – 1 SP

Story: Handling Missing Values – 3 SP

Story: Handling Categorical Values – 2 SP

Total Story Points (Sprint 1) = 8

Sprint 2 (5 Days)

Model Building

Epic: Model Development & Deployment

Story: Model Building – 5 SP

Story: Testing Model – 3 SP

Story: Working HTML Pages – 3 SP

Story: Flask Deployment – 5 SP

Total Story Points (Sprint 2) = 16

Total Story Points

Sprint 1 = 8

Sprint 2 = 16

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 16+8 =24

No of Sprints= 2

Velocity = (16+8)/2= 24/2

12 (Story Points per Sprint)

Your team’s velocity is 12 Story Points per Sprint.

This velocity can now help you estimate how many sprints are needed for future epics based on total story points