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)

1- Very Easy task
2- Normal task
3- Moderate task
5- Difficult task

Story point -5 (1,2,3,5)

Sprint 1

Data Collection (Epic 1)

- Gathering Motor Dataset (USN1) → **2**

- Loading Dataset using Pandas (USN2) → **1**

Data Preparation (Epic 2)

- Handling Missing Values (USN3) → **3**

- Feature Scaling using MinMaxScaler (USN4) → **3**

- Train-Test Split (USN5) → **3**

Total Story Points in Sprint 1

2 + 1 + 3 + 3 + 3 = **12**

Sprint 2

Model Development (Epic 3)

- Training Regression Model (USN6) → **5**

- Model Evaluation (R², MAE, MSE) (USN7) → **3**

- Saving Model as .pkl file (USN8) → **2**

Flask Web Application (Epic 4)

- Creating Flask App Structure (USN9) → **3**

- Designing HTML Input Form (USN10) → **2**

- Integrating ML Model with Flask (USN11) → **5**

Total Story Points in Sprint 2

5 + 3 + 2 + 3 + 2 + 5 = **20**

Total Story Points

Sprint 1 = **12**
Sprint 2 = **20**

Total Story Points = 12 + 20 = **32**

Number of Sprints = 2

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 12+20=32

No of Sprints= 2

Velocity =32/2

16(Story Points per Sprint)

Your team's velocity is 16 Story Points per Sprint.