**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. Easy task
3. Moderate task
4. Difficult task

**Sprint 1: (2 Days)**

Data Collection

Collection city Data **2**

Load and store Data **1**

Data Preprocessing

Handling Missing Values **3**

Encode Categorical values **2**

**Sprint 2:(3 Days)**

Build feedback form and connect DB 3  
Integrate document summarization using IBM Granite LLM 3  
Design HTML dashboard 3  
Deploy backend with Flask 5

**Sprint 3:(3 Days)**

Train anomaly detection model for pollution spikes 5  
Integrate chatbot using Granite LLM 3  
Alert system for anomalies 3

**Sprint 4:(3 Days)**

forecasting model for KPIs (pollution, traffic, energy) 5  
Visualize forecast trends in dashboard 3

**Sprint 5:(2 Days)**

Complete Streamlit/FastAPI UI integration 3  
Final testing & documentation 3  
Cloud deployment 3

**Total Story Points**

Sprint 1 = 8

Sprint 2 = 14

Sprint 3 = 11

Sprint 4 = 8

Sprint 5 = 9

Velocity= Total Story Points Completed​/ Number of Sprints

Total story Points= 8+14+11+8+9=52

No of Sprints= 5

**Velocity** = (8+14+11+8+9)/5= 52/5

10(Story Points per Sprint)

**My team velocity is 10 Story Points per Sprint.**