**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 Planning for Smart City Assistant:**

**Sprint 1: Backend and LLM Integration (5 Days)**

| **Task** | **Story Points** |
| --- | --- |
| Fast API Setup and Routing | 2 |
| Load Environment Variables | 1 |
| IBM WATSONX Granite LLM Integration for Summarization | 3 |
| Feedback API Development | 2 |

**Total for Sprint 1:** 8 Story Points

**Sprint 2: Frontend, ML, and Dashboard (5 Days)**

| **Task** | **Story Points** |
| --- | --- |
| Streamlit Dashboard UI | 3 |
| KPI Forecasting (Linear Regression) | 5 |
| Eco Tips Generator using LLM | 3 |
| Anomaly Detection Module | 3 |
| Chat Assistant API | 2 |

**Total for Sprint 2:** 16 Story Points

**Total Story Points**

Sprint 1 = 8

Sprint 2 = 16

**Velocity Calculation:**

| **Metric** | **Value** |
| --- | --- |
| Total Story Points Completed | 24 (8 + 16) |
| Number of Sprints | 2 |
| **Velocity** | 24 ÷ 2 = **12 Story Points per Sprint** |

**My team’s velocity is 12 Story Points per Sprint.**