**Citizen AI – Agile Project Breakdown**

**Agile Concepts Applied**

* **Sprint**: A fixed period (5 days) during which the team works to complete specific tasks.
* **Epic**: A large, overarching project feature that is too big to complete in one sprint. It is broken down into smaller, manageable tasks (Stories).
* **Story**: A single task or unit of work that contributes to an Epic. Can be completed within a sprint.
* **Story Point**: A numeric value (often in Fibonacci sequence) used to estimate the effort and complexity of a Story.

**Sprint 1: (5 Days)**

**Epic**: Data Preparation & Preprocessing for Citizen AI

| **Task** | **Story** | **Story Points** |
| --- | --- | --- |
| Collection of Government Datasets | ✔️ | 2 |
| Loading Data into Flask App | ✔️ | 1 |
| Handling Missing Values | ✔️ | 3 |
| Handling Categorical Variables | ✔️ | 2 |

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

**Sprint 2: (5 Days)**

**Epic**: Model Integration and Deployment

| **Task** | **Story** | **Story Points** |
| --- | --- | --- |
| Building Sentiment Analysis Model (analyse\_sentiment) | ✔️ | 5 |
| Testing Model Functionality | ✔️ | 3 |
| Creating Working HTML Pages (UI) | ✔️ | 3 |
| Flask Deployment with IBM Watson/Granite Integration | ✔️ | 5 |

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

**Summary:**

| **Metric** | **Value** |
| --- | --- |
| Total Story Points | 24 (8 + 16) |
| Number of Sprints | 2 |
| **Team Velocity** | **12 Story Points/Sprint** |

Your team’s velocity is **12 Story Points per Sprint**, indicating a consistent rate of progress across development phases.