**Agile Sprint Planning & Estimation**

**✅ Key Terms**

| **Term** | **Description** |
| --- | --- |
| **Sprint** | A fixed period (e.g., 5 days) where the team focuses on completing a set of tasks. |
| **Epic** | A large feature or big task too big to finish in a single sprint; divided into smaller user stories. |
| **Story** | A smaller, actionable task that is part of an Epic and can be completed within a sprint. |
| **Story Point** | A number (often using Fibonacci series: 1, 2, 3, 5, etc.) that represents the estimated effort and complexity to complete a story. |

**Story Point scale:**

* 1 – Very Easy task
* 2 – Easy task
* 3 – Moderate task
* 5 – Difficult task

**📅 Sprint Plan & Story Points**

**Sprint 1 *(5 Days)***

| **Epic** | **Story** | **Story Points** |
| --- | --- | --- |
| Data Collection | Collection of Data | 2 |
| Data Collection | Loading Data | 1 |
| Data Preprocessing | Handling Missing Values | 3 |
| Data Preprocessing | Handling Categorical values | 2 |
| Total Story Points |  | 8 |

**Sprint 2 *(5 Days)***

| **Epic** | **Story** | **Story Points** |
| --- | --- | --- |
| Model Building | Model Building | 5 |
| Model Building | Testing Model | 3 |
| Deployment | Working HTML Pages | 3 |
| Deployment | Flask deployment | 5 |
| Total Story Points |  | 16 |

**📊 Velocity Calculation**

| Metric | Value |
| --- | --- |
| Total Story Points (Sprint 1 + Sprint 2) | 8 + 16 = 24 |
| Number of Sprints | 2 |
| Velocity (Average story points per sprint) | 24 ÷ 2 = 12 |

✅ Your team’s velocity: 12 Story Points per Sprint