**Agile Sprint Planning**

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| **Date** | **25 june 2025** |
| **Team ID** | **LTVIP2025TMID37165** |
| **Project Name** | **Citizen AI – Intelligent Citizen Engagement Platform.** |
| **Planning Methodology** | **Agile – Sprint-based delivery using Epics, Stories, and Story Points (Fibonacci Series)** |

**📘 Agile Terminology**

• \*\*Sprint\*\*: A fixed duration in which a team works to complete a set of tasks.

• \*\*Epic\*\*: A large feature or task broken into smaller parts (user stories) across multiple sprints.

• \*\*Story\*\*: A small task that is part of an Epic.

• \*\*Story Point\*\*: A measure of effort required to complete a story (often using the Fibonacci series).

• Task Difficulty Levels: Very Easy, Easy, Moderate, Difficult

**📦 Sprint Planning**

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| --- | --- | --- | --- | --- | --- |
| Sprint | Epic (Functional Requirement) | Story (Task) | Story Points | Task Difficulty | Assigned To |
| Sprint 1 | Data Collection | Collection of Data | 2 | Easy |  |
| Sprint 1 | Data Collection | Loading Data | 1 | Very Easy |  |
| Sprint 1 | Data Preprocessing | Handling Missing Values | 3 | Moderate |  |
| Sprint 1 | Data Preprocessing | Handling Categorical values | 2 | Easy |  |
| Sprint 2 | Model Building | Model Building | 5 | Difficult |  |
| Sprint 2 | Model Building | Testing Model | 3 | Moderate |  |
| Sprint 2 | Deployment | Working HTML Pages | 3 | Moderate |  |
| Sprint 2 | Deployment | Flask Deployment | 5 | Difficult |  |

**📈 Velocity Calculation**

Total Story Points: 8 (Sprint 1) + 16 (Sprint 2) = 24

Number of Sprints: 2

\*\*Velocity = 24 / 2 = 12 Story Points per Sprint\*\*

**📊 Sprint Summary**

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| --- | --- | --- | --- | --- |
| Sprint | Total Story Points | Start Date | End Date | Story Points Completed |
| Sprint 1 | 8 | 20 June 2025 | 24 June 2025 | 8 |