**CITIZEN AI – INTELLIGENT CITIZEN ENGAGEMENT PLATFORM**

Agile Sprint Planning Document

Sprint: A fixed period (typically 5 days) during which a team completes a set of tasks.

Epic: A major feature or goal that spans multiple sprints.

Story: A smaller unit of work within an Epic, deliverable within one sprint.

Story Points: An effort estimation metric, often using the Fibonacci sequence (1, 2, 3, 5, 8...)

1. Very Easy task
2. Easy task
3. Moderate task
4. Difficult task

**Sprint 1: (5 Days)**

Data Collection

Gather Citizen Feedback & Interaction Data – **2SP**

Load Data into Central Repository -- **1SP**

Data Preprocessing

Handling Missing Values **3**

Encode Categorical Variables – 2 SP

**2**

**Sprint 2 (5 Days)**

Model Building

Build Sentiment Analysis & Intent Detection Models – **5SP**

Validate Model Accuracy with Test Data -- **3SP**

Deployment

Design Basic HTML UI for Citizen Query – **3SP**

Deploy using Flask API -- **5**

**Total Story Points**

Sprint 1 = 8

Sprint 2 = 16

Velocity= Total Story Points Completed​/ Number of Sprints

Total story Points= 16+8 =24

No of Sprints= 2

**Velocity** = (16+8)/2= 24/2

12 (Story Points per Sprint)

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