Project Planning Logic

A Sprint : A Fixed period or duration(e.g., 1-4 Weeks) in which a team works to complete a set of tasks.For Citizen AI,We have planned **5-day sprints.**

An Epic: 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 : 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.This is usually estimated using a relative sizing technique (like Fibonacci series:1,2,3,5,8,13....)

Typical Story Point Meanings:

1. Very Easy task : Minimal effort, clear path.
2. Easy task : Straightforward.
3. Moderate task : Manageble, Complexity.
4. Difficult task : Significant Complexity, Potential Unknowns.

Citizen AI - Intelligent Citizen Engagement Platform Sprint Planning:

Sprint 1: (5 Days) : Core Data & Initial AI Setup

Data Collection

- Collection of Citizen Interaction Data (e.g., public service requests, feedback forms, FAQs) - 2 story points
- Loading Historical Data into Secure Database - 1 story point

Data Preprocessing for AI Model

- Handling Missing Values in Citizen Records - 3 story points
- Handling Categorical Values (e.g., service types, feedback categories) - 2 story points

Total Story Points for Sprint 2=2+1+3+2= 8

Sprint 2 (5 Days) : AI Model Development & Platform Deployment

AI Model Building

- Developing Core AI Models (e.g., NLP for query understanding, sentiment analysis) - 5 story points
- Testing AI Model Accuracy and Performance - 3 story points

Platform Deployment

- Developing User-Facing Web/Mobile Interface (HTML Pages for citizen portal) - 3 story points
- Deploying Backend Services (e.g., Flask for API integration) - 5 story points

Total Story Points for Sprint 3= 5+3+3+5= 16

Sprint 3 (5 Days) : Advanced Features & Integration

Feature Development

- Implementing Personalized Citizen Dashboards - 5 story points
- Developing Feedback & Polling System for Public Opinion - 3 story points

Integration

- Integrating with Existing City Databases/APIs (e.g., permits, utilities) - 5 story points
- Setting up Proactive Notification System (SMS/Email alerts for status updates) - 3 story points

Total Story Points for Sprint 4 =5+3+5+3= 16

Sprint 4 (5 Days) : User Acceptance & Optimization

User Acceptance Testing (UAT)

- Conducting Pilot Program with Selected Citizen Groups - 8 story points
- Gathering and Analyzing User Feedback from Pilot - 5 story points

Optimization & Refinement

- Improving AI Model based on Pilot Feedback and Performance Data - 5 story points
- Performance Optimization & Bug Fixing across the Platform - 3 story points

Total Story Points for Sprint 5 =8+5+5+3= 21

Total Story Points :

Sprint 1 = 8

Sprint 2 = 16

Sprint 3 = 16

Sprint 4 = 21

Velocity Calculation for Citizen AI :

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 8+16+16+21 =61

No of Sprints= 4

Velocity = (8+16+16+21)/5= 61/4

15.25(Story Points per Sprint)

Ours team's velocity is 15.25 Story Points per Sprint.