

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	28 JUNE 2025
Team ID	LTVIP2025TMID37420
Project Name	Citizen AI – Intelligent Citizen Engagement Platform
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Foundation	USN-1	As an admin, I can collect citizen interaction data (requests, FAQs).	2	High	Kalla Venkata Siva Meghana
Sprint-1		USN-2	As an admin, I can load historical citizen data into a secure DB.	1	High	Kalluri Chiranjeevi
Sprint-1	Data Preprocessing	USN-3	As an admin, I can handle missing values in citizen records.	3	Medium	Bommisetty V K L Vyshnavi
Sprint-1		USN-4	As an admin, I can handle categorical values (service types).	2	Medium	Konithala Nagavidya
Sprint-2	Core AI Model Development	USN-5	As a user, I can log into the application by entering email & password	5	High	Kalla Venkata Siva Meghana
Sprint-2		USN-6	As a developer, I can test AI model accuracy and performance.	3	High	Kalluri Chiranjeevi
Sprint-2	Platform Core Deployment	USN-7	As a developer, I can create user-facing web/mobile interfaces.	3	High	Bommisetty V K L Vyshnavi
Sprint-2		USN-8	As a developer, I can deploy backend services (Flask API).	5	Medium	Konithala Nagavidya
Sprint-3	Feature Development	USN-9	Implementing Personalized Citizen Dashboards	3	High	Kalla Venkata Siva Meghana
Sprint-3		USN-10	Developing Feedback & Polling System for Public Opinion	5	Medium	Kalluri Chiranjeevi
Sprint-3	Integration	USN-11	Integrating with Existing City Databases/APIs (e.g., permits, utilities)	3	High	Bommisetty V K L Vyshnavi
Sprint-3		USN-12	Setting up Proactive Notification System (SMS/Email alerts for status update)	5	High	Konithala Nagavidya
Sprint-4	User Acceptance Testing (UAT)	USN-13	Conducting Pilot Program with Selected Citizen Groups	8	High	Kalla Venkata Siva Meghana
Sprint-4		USN-14	Gathering and Analyzing User Feedback from Pilot	5	High	Kalluri Chiranjeevi
Sprint-4	Optimization & Refinement	USN-15	Improving AI Model based on Pilot Feedback and Performance Data	5	Medium	Bommisetty V K L Vyshnavi
Sprint-4		USN-16	Performance Optimization & Bug Fixing across the Platform	3	High	Konithala Nagavidya

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	8	5 Days	5 JUNE 2025	9 JUNE 2025	8	9 JUNE 2025
Sprint-2	16	5 Days	10 JUNE 2025	14 JUNE 2025	16	14 JUNE 2025
Sprint-3	16	5 Days	15 JUNE 2025	19 JUNE 2025	16	19 JUNE 2025
Sprint-4	21	5 Days	20 JUNE 2025	24 JUNE 2025	21	24 JUNE 2025

Velocity:

Imagine we have a 5-day sprint duration, and the velocity of the team is 8-21 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

Velocity= Total Story Points Completed/ Number of Sprints=61/4=15.25

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

