

Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID21064
Project Name	Citizen AI – Intelligent Citizen Engagement Platform
Maximum Marks	5 Marks

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Member
Sprint 1	UI Setup	USN-1	As a user, I can access a chatbot interface to interact with the assistant.	2	High	A. Pranathi Sai
Sprint 1	UI Setup	USN-2	As a developer, I want to load the IBM Granite model and connect it to the frontend.	2	High	A. Phaneendra
Sprint 2	Backend Integration	USN-3	As a tester, I can verify if the prompt and response communication is working smoothly.	3	High	A.Yogananda
Sprint 1	Feedback Module	USN-4	As a user, I can submit feedback which is analyzed and displayed on the dashboard.	3	Medium	B.Manikanta
Sprint 1	Sentiment Classification	USN-5	As a user, I can submit input that is classified as positive or negative automatically.	5	High	A. Pranathi Sai
Sprint 1	AI Query Response	USN-6	As a user, I can ask queries and receive relevant answers from the assistant.	3	High	A.Yogananda
Sprint 1	Error Handling	USN-7	As a user, I receive a meaningful message if I submit an invalid or empty query.	3	Medium	A. Pranathi Sai
Sprint 1	Mode Switching	USN-8	As a user, I can switch between “Query” and “Feedback” modes using toggle buttons.	3	Medium	A. Phaneendra

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint 1	20	6 Days	21-May-2025	27-May-2025	20	29-May-2025

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint 2	20	6 Days	29-May-2025	4-June-2025	15	6-June-2025
Sprint 3	20	6 Days	6-June-2025	12-June-2025	10	12-June-2025
Sprint 4	20	6 Days	8-June-2025	14-June-2025	12	14-June-2025
Sprint 5	10	4 Days	12-June-2025	16-June-2025	14	16-June-2025
Sprint 6	8	4 Days	17-June-2025	21-June-2025	18	21-June-2025
Sprint 7	10	4 Days	22-June-2025	26-June-2025	20	26-June-2025
Sprint 8	15	4 Days	24-June-2025	25-June-2025	15	26-June-2025

Velocity

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Velocity = Total Story Points Completed / Number of Sprints

= (10 + 14) / 2

= 24 / 2 = 12 Story Points per Sprint

Team's Velocity: ☒ 12 Story Points/Sprint

◆ Average Velocity Per Day (Story Points / Sprint Duration)

Each sprint = 5 days

Average Velocity (AV) = 12 / 5 = 2.4 story points/day

Burndown Chart

- ❑ A Burndown Chart is used to track how much work (in story points) remains across the sprint timeline.
- ❑ For each sprint, points should decrease daily from the total to 0 if on schedule.

Here's my accurate burndown chart based on the sprint data . Each line represents a sprint, showing how story points are expected to decrease daily if the team is on schedule:

