Citizen AI – Agile Project Planning Document

Date: 15 February 2025

Team ID: LTVIP2025TMID32100

Project Name: Citizen AI – Intelligent Citizen Engagement Platform

Maximum Marks: 5 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Status
Sprint-1	Data Collection & Preprocessing	USN-1	As a developer, I can collect public datasets for government services	2	High	Your Name	Completed
Sprint-1		USN-2	As a system, I can load structured/unstructured data into the backend	1	High	Team Member 2	Completed
Sprint-1		USN-3	As a system, I can handle missing values in the dataset	3	High	Team Member 3	Completed
Sprint-1		USN-4	As a system, I can preprocess categorical variables for model training	2	Medium	Team Member 4	Completed
Sprint-2	Sentiment Analysis Engine	USN-5	As a system, I can analyze sentiment of citizen feedback using a pre-trained model	5	High	Your Name	Completed
Sprint-2	Model Testing	USN-6	As a tester, I can verify the sentiment classification accuracy	3	High	Team Member 2	Completed
Sprint-2	Deployment Frontend	USN-7	As a user, I can interact with the system via HTML pages	3	Medium	Team Member 3	Completed
Sprint-2	Backend Deploymen	USN-8	As a system, I can serve AI models and	5	High	Team Membe	Completed

	t with Flask		frontend pages using Flask			r 4	

Project Tracker, Velocity & Burndown Chart (4 Marks)

Project Tracker Table

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)	Sprint Status
Sprint-1	8	5 Days	10 Feb 2025	14 Feb 2025	8	14 Feb 2025	Completed
Sprint-2	16	5 Days	15 Feb 2025	19 Feb 2025	16	19 Feb 2025	Completed

Velocity Calculation

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

Number of Sprints: 2

Team Velocity = 24 / 2 = 12 Story Points per Sprint

Average Velocity per Day (Sprint = 5 Days): 12 / 5 = 2.4 Story Points/Day

Burndown Chart

A burndown chart shows remaining work over time. It starts at 24 story points and decreases as the team completes tasks across 10 days (2 sprints).

Use tools like Visual Paradigm or Excel to visualize this.

References

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/burndown-charts

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/