**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID31965 |
| 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 | Conversational AI Setup | USN-1 | As a user, I can enter a query and receive a response using IBM Granite model. | 5 | High |  |
| Sprint-1 |  | USN-2 | As a user, I receive a fallback AI response from Groq when IBM model is unavailable. | 3 | High |  |
| Sprint-1 |  | USN-3 | As a developer, I can log all user queries and model replies to a local JSON file. | 3 | Medium |  |
| Sprint-1 |  | USN-4 | As a developer, I can test the /chat API endpoint with sample inputs. | 2 | Medium |  |
| Sprint-2 | Sentiment Analysis & Logging | USN-5 | As a user, I can see the sentiment classification (Positive/Neutral/Negative) of my query. | 3 | High |  |
| Sprint-2 |  | USN-6 | As a developer, I can store sentiment data along with user interactions in feedback.json. | 2 | Medium |  |
| Sprint-2 | Dashboard & Analytics | USN-7 | As an officer, I can view visual sentiment distribution on a dashboard. | 5 | High |  |
| Sprint-2 |  | USN-8 | As an analyst, I can track query trends and filter results by time. | 3 | Medium |  |
| Sprint-2 | Admin Controls | USN-9 | As an admin, I can switch between IBM and Groq models via settings. | 2 | Medium |  |

Here is your complete **Agile Project Tracker, Velocity & Burndown Chart Table** customized for the **Citizen AI – Intelligent Citizen Engagement Platform** project.

**Project Tracker, Velocity & Burndown Chart – Citizen AI**

| **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 | 13 | 5 Days | 20 June 2025 | 24 June 2025 | 13 | 24 June 2025 |
| Sprint-2 | 17 | 5 Days | 25 June 2025 | 29 June 2025 | 17 | 29 June 2025 |
| Sprint-3 | 15 | 5 Days | 30 June 2025 | 04 July 2025 | — | — |
| Sprint-4 | 15 | 5 Days | 05 July 2025 | 09 July 2025 | — | — |

**✅ Velocity Calculation**

* Total Story Points (Sprint 1 + Sprint 2): 13 + 17 = 30 SP
* Number of Completed Sprints: 2
* Velocity (SP/Sprint): 30 / 2 = 15 SP/Sprint
* Sprint Duration: 5 Days
* Average Velocity per Day (Story Points/Day):  
  → 15 SP ÷ 5 Days = 3 Story Points/Day

📌 Your team’s velocity is 15 story points per sprint, averaging 3 points per day.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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