**Citizen AI Chatbot - Sprint Planning**

**Agile Definitions**

* **Sprint**: 5-day work period
* **Epic**: "Build AI Chatbot for Government Services"
* **Story**: Individual development tasks
* **Story Points**: Effort measurement (Fibonacci scale)

**Sprint 1 (5 Days)**

**Data Pipeline Development**

* *Data Collection*  
  • Scrape government FAQs (3 pts)  
  • Load into IBM Cloudant DB (2 pts)
* *Data Preprocessing*  
  • Clean multilingual text (English/Hindi) (5 pts)  
  • Normalize bureaucratic terms (3 pts)

**Total Sprint 1 Points**: 13

**Sprint 2 (5 Days)**

**Model Deployment**

* *AI Development*  
  • Train IBM Granite model (8 pts)  
  • Accuracy testing (5 pts)
* *System Integration*  
  • Gradio UI development (3 pts)  
  • IBM Cloud deployment (5 pts)

**Total Sprint 2 Points**: 21

**Velocity Calculation**

* Total Story Points: 34 (13 + 21)
* Number of Sprints: 2
* **Team Velocity**: 17 points/sprint

*Next sprint forecast*: 3-5 user stories (~17 points capacity)\_

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**Key**:  
1 Very Easy | 2 Easy | 3 Moderate | 5 Difficult | 8 Very Difficult

Screenshot 2025-06-26 223304.png

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Here's the **Citizen AI Chatbot Project Planning Document** following your exact template structure:

**Citizen AI Chatbot - Project Planning**

| **Date** | **26 June 2025** |
| --- | --- |
| **Team ID** | LTVIP2025TMID32134 |
| **Project Name** | Citizen AI Chatbot |
| **Maximum Marks** | 5 Marks |

**Product Backlog & Sprint Schedule**

| **Sprint** | **Functional Requirement (Epic)** | **User Story No.** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Pipeline | USN-1 | As a developer, I need to collect government FAQ data from 5 services | 3 | High | Data Team |
| Sprint-1 | Data Pipeline | USN-2 | As a developer, I need to preprocess Hindi/English text data | 5 | High | NLP Team |
| Sprint-2 | Model Development | USN-3 | As an ML engineer, I need to fine-tune IBM Granite model | 8 | High | AI Team |
| Sprint-2 | UI Integration | USN-4 | As a frontend dev, I need to build Gradio interface | 3 | Medium | UI Team |
| Sprint-3 | Deployment | USN-5 | As a DevOps engineer, I need to deploy on IBM Cloud | 5 | High | Cloud Team |

**Project Tracker & Velocity**

| **Sprint** | **Total Story Points** | **Duration** | **Start Date** | **End Date (Planned)** | **Points Completed** | **Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 8 | 5 Days | 01 Jul 2025 | 05 Jul 2025 | 8 | 05 Jul 2025 |
| Sprint-2 | 11 | 5 Days | 08 Jul 2025 | 12 Jul 2025 |  |  |
| Sprint-3 | 5 | 5 Days | 15 Jul 2025 | 19 Jul 2025 |  |  |

**Velocity Calculation**:

AV=Total Points (8)Duration (5 days)=1.6 points/dayAV=Duration (5 days)Total Points (8)​=1.6 points/day

*[End of template - No extra sections or modifications]*

**Key**:  
1-2: Easy | 3-5: Moderate | 8: Difficult