**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| **Date** | **25 june 2025** |
| **Team ID:** | **LTVIP2025TMID37165** |
| **Project Name:** | **Citizen AI – Intelligent Citizen Engagement Platform.** |
| **Maximum Marks** | **4 Marks** |

**Step 1: Team Gathering, Collaboration and Select the Problem Statement**

Selected Problem Statement (PS):

PS-1: I am a responsible citizen trying to report civic issues like potholes or garbage, but I don’t know whom to contact or how long it will take because existing systems are slow and unclear — which makes me feel helpless.

**Step 2: Brainstorm, Idea Listing and Grouping**

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| --- | --- | --- |
| Idea # | Idea Description | Group/Category |
| 1 | Create a chatbot assistant to answer civic queries | Chatbot AI |
| 2 | Enable real-time issue reporting with sentiment detection | Civic Engagement |
| 3 | Connect chatbot with IBM Watsonx AI (Granite Model) | Technology Integration |
| 4 | Add a dashboard showing recent issues and feedback analysis | Data Visualization |
| 5 | Auto-suggest departments to contact for specific issues | User Convenience |
| 6 | Predefined issue database to ensure accuracy | Content Management |
| 7 | Login system with user feedback history | Personalization |
| 8 | Use IBM Watsonx for sentiment analysis of messages | Sentiment Analysis |
| 9 | Use Streamlit to simplify web deployment | Frontend Framework |
| 10 | Include a citizen awareness page (schemes/rights) | Education/Outreach |

**Step 3: Idea Prioritization**

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| --- | --- | --- | --- | --- |
| Idea Description | Impact (1-5) | Feasibility (1-5) | Priority Score = Impact × Feasibility | Priority (High/Med/Low) |
| Chatbot for civic queries | 5 | 5 | 25 | High |
| Issue reporting with sentiment | 5 | 4 | 20 | High |
| IBM Watsonx AI integration | 4 | 4 | 16 | High |
| Dashboard for visual insights | 5 | 3 | 15 | Medium |
| Auto-suggest departments | 4 | 3 | 12 | Medium |
| Predefined civic issues DB | 5 | 5 | 25 | High |
| Login system | 3 | 3 | 9 | Low |
| Sentiment analysis using Watsonx | 4 | 4 | 16 | High |
| Streamlit frontend | 5 | 5 | 25 | High |
| Awareness page (schemes, rights) | 3 | 3 | 9 | Low |

**✅ Top Priorities Chosen for MVP (Minimum Viable Product):**

1. Chatbot with predefined issues + Watsonx fallback

2. Real-time sentiment + concern reporting

3. Dashboard to visualize issues & sentiments

4. Simple Streamlit-based UI

5. Awareness section (optional add-on)