**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID29301 |
| Project Name | Citizen AI – Intelligent Citizen Engagement Platform using IBM Granite |
| Maximum Marks | 4 Marks |

# Team Members & Roles

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| Name | Role |
| Tamaraana Sruthi | Team Leader, Flask Backend & LLM Integration using IBM Granite |
| Pothabatthula Sandeep | Frontend Developer (HTML/CSS), Model Testing, UI Integration |
| Nakka Santhosh Kumar | Dashboard Data Aggregation & Visualization (sentiment metrics, issue logs) |
| hadicherla Chandra Manikanta Sri Devi Prasad | Sentiment Analysis & Citizen Feedback Handling Module |

# Step 1: Team Gathering, Collaboration, and Selecting the Problem Statement

**Problem Statement:**

To develop an AI-powered Citizen Engagement Platform that uses IBM Granite LLM to assist citizens and government officials through real-time responses, sentiment analysis, concern reporting, and administrative dashboards—enhancing transparency and digital governance.

**Motivation:**

Citizens often face delays and lack of clarity in interacting with public services. Government systems are not equipped for real-time support or feedback analysis. Citizen AI bridges this gap with a conversational AI, smart sentiment feedback processing, and an admin-friendly dashboard to ensure efficient, inclusive public interaction.

# Step 2: Brainstorming, Idea Listing, and Grouping

**Initial Ideas:**

• Integrate a conversational assistant using IBM Granite

• Enable sentiment analysis on citizen feedback

• Build forms for issue/concern reporting

• Provide a dashboard for government officials to monitor sentiment and feedback

• Implement user login and session handling

• Build using Flask backend and HTML/CSS frontend

**Grouped into Modules:**

1. Chat Module – AI assistant using IBM Granite LLM via Hugging Face

2. Sentiment Analysis Module – Classifies feedback as Positive, Negative, Neutral

3. Feedback Module – Form to submit issues/concerns with storage

4. Dashboard Module – Visualizes sentiment stats and recent feedback

5. Authentication Module – Login/Logout and route protection

6. UI Module – Frontend using HTML, CSS, and Bootstrap integrated with Flask

# Step 3: Idea Prioritization (Final Version)

