

Ideation Phase Brainstorm & Idea Prioritization Template

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

Name	Role
Tamaraana Sruthi	Team Leader, Flask Backend & LLM Integration using IBM Granite
Pothabathhula 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)

Feature / Module	Importance	Feasibility	Notes
Chat Assistant	High	High	IBM Granite-powered Q&A chatbot using Hugging Face & Flask
Sentiment Analysis	High	High	Implemented using a basic sentiment classifier in Flask backend
Concern Reporting Form	High	High	Citizen feedback submitted via form and routed to backend logic
Admin Dashboard	High	Medium	Displays sentiment stats and feedback history; Flask-rendered
User Authentication	Medium	High	Basic login/logout functionality with session control
HTML/CSS Frontend	High	High	Static UI integrated with Flask templates