

LTVIP2025TMID33537Ideation Phase Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID30982
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	4 Marks

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

 **Reference:** <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

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

Problem Statement:

Urban residents often face difficulty understanding complex policy documents, accessing relevant eco-guidance, and providing actionable feedback to city authorities. Traditional systems are fragmented, lack intelligent summarization, and often miss opportunities for real-time engagement and sustainability planning.

Selected Problem to Solve:

How might we design an intelligent, AI-powered smart city assistant using IBM Granite LLM to help citizens and administrators with policy summarization, eco-awareness, KPI forecasting, anomaly detection, and civic feedback?

Step-2: Brainstorm, Idea Listing and Grouping

Ideas Generated:

1. AI-Based Policy Summarizer – Converts long government documents into short, citizen-friendly summaries.
2. Eco Tips Generator – Provides daily sustainability suggestions based on user-selected themes (e.g., plastic, water).

3. KPI Forecasting Engine – Predicts urban metrics such as pollution, energy usage, traffic levels.
4. Smart Anomaly Detector – Detects unusual spikes in reports, like sudden power outages or water complaints.
5. Multilingual Smart City Chatbot – Helps citizens interact in regional languages with the assistant.
6. Feedback Analyzer – Categorizes and prioritizes citizen feedback using NLP.
7. Dashboard for Administrators – Visual representation of citizen trends, KPIs, and feedback heatmaps.
8. Voice-Enabled Assistant – Allows citizens to interact via voice on mobile or kiosk devices.
9. Community Suggestions Board – Lets users vote on ideas for improving their local neighborhood.

Grouped Ideas by Category:

- **User-Facing Features:** 1, 2, 4, 5, 8, 9
- **Admin & Governance Tools:** 3, 6, 7
- **Tech Enhancements:** 8, 9

Step-3: Idea Prioritization

Idea	Feasibility	Impact	Priority
AI-Based Policy Summarizer	High	High	🔥 Top Priority
Eco Tips Generator	High	Medium	✅ Medium
KPI Forecasting Engine	Medium	High	✅ Medium
Smart Anomaly Detector	High	High	🔥 Top Priority
Multilingual Smart City Chatbot	High	High	🔥 Top Priority
Feedback Analyzer	Medium	Medium	✅ Medium
Dashboard for Administrators	Medium	Medium	✅ Medium
Voice-Enabled Assistant	Low	High	❗ Low
Community Suggestions Board	Medium	Medium	✅ Medium

✅ Final Top 3 Priority Ideas for Implementation:

1. AI-Based Policy Summarizer
2. Smart Anomaly Detector
3. Multilingual Smart City Chatbot