

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	22 June s2025
Team ID	LTVIP2025TMID37446
Project Name	Sustainable Smart-city Ai assistant using IBM Granite LLM
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template

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

Problem Statement Selected:

How might we build an intelligent assistant to promote sustainable living in smart cities by offering actionable eco tips, forecasting sustainability KPIs, providing tailored reports, and enabling interactive communication with citizens?

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

Problem Statement Selected:

How might we build an intelligent assistant to promote sustainable living in smart cities by offering actionable eco tips, forecasting sustainability KPIs, providing tailored reports, and enabling interactive communication with citizens?




Team Discussion Points:

- Increase citizen awareness of sustainable practices.
- Make environmental data understandable and interactive.
- Provide real-time assistance to urban residents through AI.
- Bridge the gap between municipal sustainability goals and public engagement.



Brainstorm & idea prioritization

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

-  **10 minutes** to prepare
-  **1 hour** to collaborate
-  **2-8 people** recommended

PROBLEM

How might we empower urban citizens to adapt sustainable practices using an AI based assistant that

A little bit of preparation goes a long way. Here's how we prepped for the *CityPAIRtner* ideation session:

- ☒ **Team Gathering**
Our AI & Smart City team (SC, AI,025) met to define roles and prepare relevant background on smart city challenges and sustainability gaps.
- ☒ **Set the Goal**
Build an intelligent assistant that helps citizens of smart cities adopt sustainable lifestyles through actionable insights and AI-powered interaction.
- ☒ **Learn How to Use the Facilitation Tools**
We explored tools like Miro, Mural, and brainstorming sheets to organize our thoughts. The session was facilitated using whiteboards and collaborative docs.



Key Rules of Brainstorming

To run a smooth and productive session

- ☒ Stay in topic
- ☒ Encourage wild ideas
- ☒ Confer frequently

Step-2: Brainstorm, Idea Listing and Grouping

Raw Ideas Generated:

- A web-based assistant to interact using natural language.
- Feature for personalized eco tips based on city context.
- KPI dashboard for metrics like air quality, energy usage.
- Forecasting future trends for emissions, waste, etc.
- Sustainability report generation based on user input.
- Chat Assistant using IBM Granite for smart responses.
- Intuitive UI with city-themed visuals.
- LocalTunnel or Ngrok for easy public deployment.
- Sidebar navigation with logo and informative widgets.

Grouped Ideas:

Category	Ideas
Awareness Tools	Eco tips, sustainability education through chat
Data Visualization	KPI dashboard, forecasting tools
Interactivity	Chat assistant, report generation, symptom-style smart input
Deployment & Access	VSCode backend, FastAPI + Streamlit/HTML frontend
Styling & UX	Smart city theme, logos, dynamic sidebar, image assets

Step-3: Idea Prioritization

Evaluation Based on: Impact, Feasibility, Uniqueness, User Engagement

Idea	Impact	Feasibility	Priority
Smart City Chat Assistant with AI	High	Medium	High
Eco Tips Section	High	High	High
KPI Forecasting	Medium	Medium	Medium
Sustainability Report Generator	High	Medium	High
IBM Granite LLM Integration	High	Medium	High
City-themed UI & Branding	Medium	High	Medium
Real-time Deployment using LocalTunnel	Medium	High	Medium

Final Prioritized Feature Set for MVP:

1. AI Chat Assistant using IBM Granite.
2. Eco Tips Dashboard.
3. KPI Forecasting for selected smart cities.
4. Sustainability Report Generator.
5. Themed user interface for enhanced interaction.
6. Seamless deployment via vscode + FastAPI.