

## Ideation Phase

### Brainstorm & Idea Prioritization

Date	27 June 2025
Team ID	LTVIP2025TMID60548
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	4 Marks

#### Step-1: Problem Statement

##### Problem Statement:

*Modern urban areas face challenges in sustainability, citizen engagement, policy transparency, and efficient governance due to fragmented data, slow manual processes, and lack of accessible insights. The Sustainable Smart City Assistant aims to solve these problems by providing an AI-driven platform that leverages IBM Watsonx Granite LLM to offer real-time insights, feedback processing, policy summarization, and data forecasting for smarter and greener city management.*

##### Step-2: Brainstorm, Idea Listing and Grouping .

Module/Feature	Ideas/Features
City Health Dashboard	Display KPI metrics like water usage, energy consumption, air quality
Citizen Feedback	Online form to report issues like water leakage, potholes, etc.
Document Summarization	Upload policies (.txt/.csv), get LLM-based summaries
Eco Tips	Keyword-based input → AI generates sustainable living tips
Anomaly Detection	Upload KPI CSV → detect outliers using statistical methods
KPI Forecasting	Use ML (Linear Regression) to predict upcoming water/energy needs
Chat Assistant	Citizens ask questions like “How to reduce emissions?”, get LLM response
Vector Search	Semantic search in uploaded policies via Pinecone
Report Generator	City-wise sustainability report via IBM LLM

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### Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

**TIP**  
You can select a sticky note and hit the pencil icon to switch to sketch mode to start drawing!

Amar	Yuktesh	Person 3	Person 4
<div>Handwritten: hand</div>			

  

Person 5	Person 6	Person 7	Person 8

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### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

Person 4

**TIP**  
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

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### Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

