

Brainstorm & Idea Prioritization Template

Date	26 June 2025
Team ID	LTVIP2025TMID37089
Project Name	"Sustainable Smart City Assistant using IBM Granite AI"
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

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.

Step-1:

Template

Brainstorm & idea prioritization

Sustainable Smart City Assistant

This assistant uses AI to enhance urban living through eco-awareness, traffic optimization, and resource efficiency.

Use this tool to explore AI-generated suggestions, analyze uploaded city data, and visualize smart solutions that reduce waste and improve sustainability.

⌚ 10 minutes to prepare

🕒 1 hour to collaborate

👥 2-8 people recommended

Before you collaborate

A few steps to ensure meaningful collaboration on this project

⌚ 10 minutes

Team gathering

Decide who will work on eco, traffic, and water modules. Assign roles like UI design, LLM integration, and data analysis.

Set the goal

Define the problem – "How can we build a smarter, cleaner, and more efficient city using AI?"

Learn how to use the facilitation tools

Read documentation on FastAPI, IBM Granite LLM, Leaflet.js, and Chart.js.

Open article →

Define your problem statement

How might we build an intelligent assistant that helps cities manage traffic, predict water needs, and reduce waste through AI-powered solutions?

⌚ 5 minutes

PROBLEM

How might we use AI to improve traffic flow, water management, and waste reduction in smart cities?

Key rules of brainstorming

To run an smooth and productive session

Go for quantity

Encourage wild ideas.

Defer judgment.

Listen to others.

Go for volume.

If possible, be visual.

Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

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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 (switch to sketch) icon to start drawing!

sanjay

AI suggests low-waste tips

Analyze garbage patterns

Track weekly waste

Mohana Chandrika

Predict water usage

Show line graphs from file uploads

Suggest water-saving devices

Sai Sahithi

Route optimization using lat/lon

display traffic flow using Leaflet

Highlight green travel suggestions

Sai Ram Prasad

Smart waste bins

Predictive water demand

Smart water metering

Step-3: Idea Prioritization

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Group Ideas
Cluster similar ideas into 3 categories:
Smart Waste
Water Analytics
Traffic Optimization
Label groups clearly: "Predictive Waste AI", "Water Trends", "Route Planner"
 20 minutes

TIP
Add customizable tags to sticky notes to make it easier to find, compare, organize and categorize important ideas as they arise in your mind.

Prioritize

Place your ideas on the chart to identify smart city solutions like traffic optimization, water prediction, and waste reduction that have high impact and are easy to implement.*

🕒 20 minutes

TIP

Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the **H** key on the keyboard.

Importance

If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?

Feasibility

Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

