

Ideation Phase: Brainstorm & Idea Prioritization Template

Date	27 June 2025
Team ID	LTVIP2025TMID21127
Project Name	Sustainable Smart City Assistant
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.

This document outlines our ideation process and idea prioritization for the project.

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

Our team met to explore pressing issues in urban sustainability. After discussing various domains such as energy, waste management, and citizen services, we selected the following problem statement:

****How can AI be used to improve urban sustainability, citizen engagement, and smart city policy analysis?****

Step 2: Brainstorm, Idea Listing and Grouping

During our brainstorming session, the team generated the following ideas:

- Auto-summarization of city policies using AI
- Semantic search in legal/policy documents
- Citizen portal to report issues (e.g., water leaks, lights)
- AI-generated eco-friendly tips
- Voice/text chatbot for sustainability education
- KPI forecasting for water and energy usage
- Anomaly detection in utility consumption patterns

- Mobile-friendly app for urban feedback collection

The ideas were grouped into three categories:

1. Policy Assistant
2. Citizen Engagement
3. City Analytics

Step 3: Idea Prioritization

The team used a simple matrix (Impact vs Effort) to prioritize the brainstormed ideas.

Idea	Impact	Effort
Auto-summarization of policies	High	Medium
Semantic search	High	High
Citizen issue reporting	High	Low
Eco-friendly tips	Medium	Low
Chatbot for sustainability	High	Medium
KPI forecasting	High	Medium
Anomaly detection	Medium	High
Mobile-friendly feedback app	Medium	Medium

The top priorities chosen for implementation were:

- Policy summarization
- Semantic search
- Citizen reporting tool
- KPI forecasting
- Chatbot for sustainability queries