

**Project Design Phase**  
**Proposed Solution Template**

Date	27 June 2025
Team ID	LTVIP2025TMID32124
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Urban planners, citizens, and city administrators face challenges in managing sustainability, governance, traffic efficiency, and citizen engagement due to the lack of AI-driven, integrated tools for actionable insights.
2.	Idea / Solution description	An AI-powered assistant that leverages IBM Granite LLM for features like traffic monitoring, policy summarization, citizen feedback, KPI forecasting, eco-advice generation, anomaly detection, and an interactive chat assistant.
3.	Novelty / Uniqueness	Combines AI-driven document summarization, real-time traffic insights, and predictive analytics with eco-tips and anomaly detection, offering a comprehensive solution for smart city management.
4.	Social Impact / Customer Satisfaction	Enhances citizen engagement, improves urban sustainability, and empowers city administrators to make data-driven decisions, ensuring a positive impact on the environment and quality of urban life.
5.	Business Model (Revenue Model)	Subscription-based access for municipalities, pay-per-use API for private developers, and optional premium features for advanced analytics and extended functionality.
6.	Scalability of the Solution	Easily scalable to other cities with minimal adjustments. Modular architecture supports integration with diverse city systems and APIs, ensuring adaptability to varying urban requirements and growing data needs.