Project Design Phase
Proposed Solution

Date	28 June 2025
Team ID	LTVIP2025TMID35907
Project Name	Sustainable Smart City Assistant using IBM Granite LLM
Maximum Marks	2 Marks

Proposed Solution:

The proposed solution for the Sustainable Smart City Assistant involves building an AI-powered platform using IBM Granite LLM to enhance urban sustainability and citizen engagement. It integrates real-time data from IoT sensors with natural language capabilities to provide services like policy summarization, eco-tip generation, forecasting, and anomaly detection.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Cities struggle with sustainability, citizen engagement, and real-time decision-making due to fragmented systems
2.	Idea / Solution description	Build an AI assistant using IBM Granite LLM to provide smart services like policy summarization, forecasting, and eco-advice.
3.	Novelty / Uniqueness	Combines LLMs with real-time city data for natural language interaction and personalized sustainability insights.
4.	Social Impact / Customer Satisfaction	Empowers citizens, improves transparency, and promotes eco-friendly behavior.
5.	Business Model (Revenue Model)	Freemium for cities, premium analytics and APIs for enterprises and partners.
6.	Scalability of the Solution	Modular, cloud-native design allows easy expansion across cities and domains.