# Sustainable Smart City Assistant Using IBM Granite LLM

## Team Details

Team ID : NM2025TMID03902
Team Size : 4
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# Computer Specification

Processor: Intel Core i5/i7 or AMD Equivalent
RAM: Minimum 8 GB (Recommended 16 GB)
Storage: 512 GB SSD or higher
Operating System: Windows 10 / 11 or Linux Ubuntu 20.04+
Software: Python 3.10+, IBM Granite LLM APIs, Required Libraries

# Project Description

The Sustainable Smart City Assistant using IBM Granite LLM is designed to integrate AI-driven solutions for efficient city management. The system leverages IBM's Granite Large Language Model to provide intelligent insights for energy efficiency, waste management, transportation, and citizen engagement. The assistant aims to support government officials, city planners, and citizens by offering real-time recommendations, predictive analytics, and sustainable resource management strategies. Its ultimate goal is to create eco-friendly, technologically advanced, and people-centric smart cities.

# Conclusion

The Sustainable Smart City Assistant using IBM Granite LLM represents a step forward in building intelligent and sustainable urban environments. By combining AI, IoT, and data-driven insights, this project ensures a balance between technology, ecology, and human well-being. The solution demonstrates how modern AI can contribute to shaping the future of urban living.