

Project Design Phase

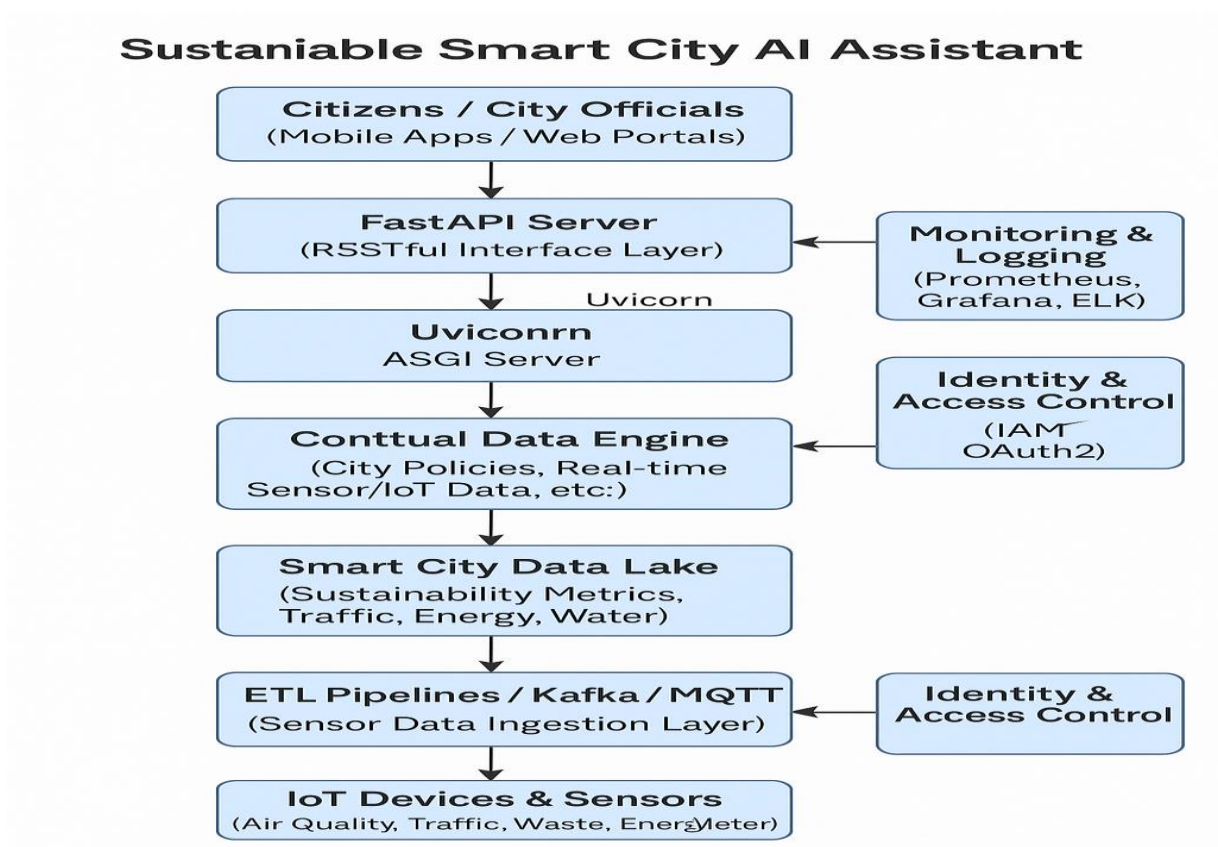
Solution Architecture

Date	24 June 2025
Team ID	LTVIP2025TMID37446
Project Name	Sustainable Smart-city AI Assistant using IBM Granite LLM
Maximum Marks	4 Marks

Solution Architecture:

- **Frontend:** HTML/CSS/JS – user interface for interaction.
- **Backend:** Python app (FastAPI/Flask) served with **Uvicorn** – handles logic & API calls.
- **AI Engine:** **IBM Granite LLM** – powers smart city assistant via NLP.

Example - Solution Architecture Diagram (Cityp'AI'rntner):



Reference: <https://huggingface.co/ibm-granite/granite-3.3-2b-instruct>

<https://fastapi.tiangolo.com/deployment/>