**Project Design Phase**

**Problem – Solution Fit**

Team ID: LTVIP2025TMID20497

Project Name: Sustainable Smart City Assistant Using IBM Granite LLM

**Problem – Solution Fit: Sustainable Smart City Assistant**

The **Problem–Solution Fit** ensures that the **Smart City Assistant** directly addresses real challenges faced by city stakeholders and that the AI-driven solution genuinely improves governance, citizen participation, and sustainability outcomes. This alignment helps urban innovators, civic tech teams, and municipal planners design smarter systems that citizens will adopt and trust.

**Purpose:**

* ✅ **Solve critical urban challenges** like policy inaccessibility, lack of real-time insights, and limited citizen feedback using AI-powered tools that align with the needs of both administrators and residents.
* ✅ **Accelerate digital transformation in city management** by tapping into how users already engage with civic systems (dashboards, feedback forms, service portals) and embedding intelligence where it fits naturally.
* ✅ **Sharpen stakeholder engagement strategies** by delivering timely, understandable, and actionable content (like policy summaries, KPI forecasts, eco-tips) using familiar interfaces and natural language.
* ✅ **Build trust and increase civic adoption** by solving recurring, high-impact problems such as unreadable policies, ignored feedback, or delayed city services—improving satisfaction for citizens and performance for administrators.
* ✅ **Deeply understand current pain points and workflows** to improve them through generative AI, resulting in smarter decisions, faster service delivery, and a more sustainable urban environment.

