Project Design Phase

Problem – Solution Fit Template

Date	14 June 2025
Team ID	LTVIP2025TMID60699
Project Name	Sustainable Smart City Assistant Using IBM
	Granite LLM
Maximum Marks	2 Marks

Problem-Solution Fit – Sustainable Smart City Assistant

The Problem-Solution Fit in our project is about solving actual problems that people in cities face when it comes to sustainability. Many people care about the environment but don't have the right tools or information to take action. We focused on those common issues and built a solution that's simple, useful, and personalized.

Purpose in Our Project

- We solved real problems that city residents face every day, like tracking air quality or understanding water usage.
- Our app fits into users' daily habits instead of asking them to change how they live.
- We kept communication clear by focusing on what people actually need—local data, smart alerts, and visual insights.
- We made the app easy to use, so people come back to it regularly.
- Everything is based on context—city, language, and user preferences—so it feels relevant.

Few Examples

Problem	Solution
No simple way to see real-time environmental data	Dashboard with live AQI, water, traffic, and energy usage
Generic eco tips that don't match user lifestyle	Personalized, city-aware sustainability suggestions
Cluttered apps that are hard to use	Clean UI with themes, filters, and easy navigation

Too many or irrelevant notifications	Smart alerts only when something important changes
No support for offline use	Offline access to tips and saved data

Template:

