**Project Design Phase**

**Problem – Solution Fit Template**

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| 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**

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| **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:**

