Project Design Phase
Problem – Solution Fit Template

Date	28 June 2025
Team ID	LTVIP2025TMID30982
Project Name	Sustainable Smart City Assistant
Maximum Marks	2 Marks

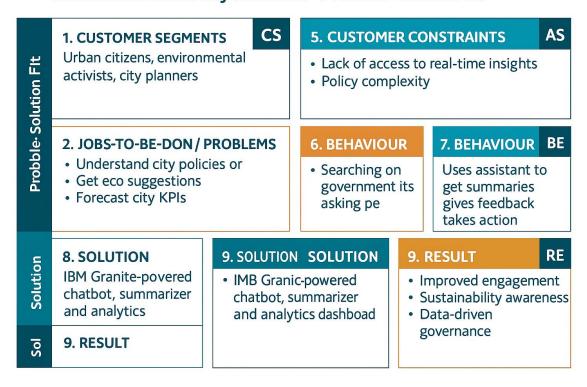**Problem – Solution Fit Template:**

The Problem-Solution Fit validates that your AI solution effectively addresses critical urban sustainability challenges. It helps civic innovators align technical capabilities with real-world municipal needs.

Purpose:

❑ Solve complex urban problems in a way that fits government workflows and resident behaviors
❑ Accelerate smart city adoption by leveraging existing infrastructure
❑ Improve stakeholder communication with data-driven policy visualizations
❑ Build trust by addressing urgent pain points (energy waste, data silos, public disengagement)
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Template:

Sustainable Smart City Assistant – Problem–Solution Fit

Probble- Solution Fit

1. CUSTOMER SEGMENTS — CS
Urban citizens, environmental activists, city planners

5. CUSTOMER CONSTRAINTS — AS
- Lack of access to real-time insights
- Policy complexity

2. JOBS-TO-BE-DON / PROBLEMS
- Understand city policies or
- Get eco suggestions
- Forecast city KPIs

6. BEHAVIOUR
- Searching on government its asking pe

7. BEHAVIOUR — BE
Uses assistant to get summaries gives feedback takes action

Solution

8. SOLUTION
IBM Granite-povered chatbot, summarizer and analytics

Sol 9. RESULT

9. SOLUTION SOLUTION
- IMB Granic-powered chatbot, summarizer and analytics dashboard

9. RESULT — RE
- Improved engagement
- Sustainability awareness
- Data-driven governance

References:

1. https://www.ideahackers.network/problem-solution-fit-canvas/

2. https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe