# Project Design Phase

## Proposed Solution Template

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID21127 |
| Project Name | Sustainable Smart City Assistant |
| Maximum Marks | 2 Marks |

**Proposed Solution Template**

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| S.No. | Parameter | Description |
| 1 | Problem Statement (Problem to be solved) | Urban sustainability challenges such as energy/water overuse, poor citizen engagement, and lack of AI tools for city policy analysis. |
| 2 | Idea / Solution description | An AI-powered web app for summarizing city policies, generating eco-tips, reporting civic issues, and forecasting KPIs like energy/water usage. |
| 3 | Novelty / Uniqueness | Combines semantic search, AI summarization, and ML analytics in a single user-friendly platform with citizen and planner tools. |
| 4 | Social Impact / Customer Satisfaction | Promotes smart living, civic participation, and sustainable decision-making; benefits planners, citizens, and students. |
| 5 | Business Model (Revenue Model) | Freemium model for public, subscription/licensing for municipalities, with add-on services like IoT dashboard integrations. |
| 6 | Scalability of the Solution | Modular architecture allows easy scaling across cities with additional features like real-time IoT data, mobile apps, and multilingual support. |