**Project Design Phase**

**Proposed Solution Template**

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| Date | 28 JUNE 2025 |
| Team ID | LTVIP2025TMID50619 |
| Project Name | Visualizing Housing Market Trends: An Analysis of Sales Prices and features using Tableau. |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in the proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Problem: There are not enough homes being built to meet demand, especially in urban and high-growth areas. |
| 2. | Idea / Solution description | Millions of people—especially first-time buyers, remote workers, and middle-income families—can’t afford traditional housing. At the same time, sustainable and modular homes exist but are difficult to access, customize, and finance. |
| 3. | Novelty / Uniqueness | This “housing-as-a-service” approach is novel, especially in the affordable/modular market. |
| 4. | Social Impact / Customer Satisfaction | Impact  • Reduces housing cost and build time by up to 40%  • Promotes energy-efficient living and climate resilience  • Helps close the gap between available housing and real-life user needs  • Spurs rural and suburban development with smart infrastructure |
| 5. | Business Model (Revenue Model) | Revenue Model  • Commission from modular builders and land brokers  • Premium listing fees for verified sustainable properties  • Referral fees from green lenders and installation services  • Optional paid add-ons: home design consulting, solar system installation |
| 6. | Scalability of the Solution | the system can handle growing amounts of data, users, or complexity over time without a significant drop in performance or quality. Here’s how scalability plays out in such a solution, broken down by component: |