Project Design Phase
Proposed Solution Template

Date	15 February 2025
Team ID	LTVIP2025TMID60627
Project Name	**Visualizing Housing Market Trends**
Maximum Marks	2 Marks

Proposed Solution Template:

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

S. No.	Parameter	Description
1	**Problem Statement**	Real estate professionals struggle to understand how various house features (like renovation, age, bedrooms, and zip code) impact sale prices due to complex, raw data and lack of interactive visualization tools.
2	**Idea / Solution Description**	Develop an interactive Tableau dashboard that visualizes housing market trends based on renovation status, sales price, geography, and house features. It will allow users to filter data, uncover patterns, and make data-driven decisions quickly.
3	**Novelty / Uniqueness**	The solution combines storytelling, modern visualization (bar, funnel, butterfly, map, lollipop), and filters into one dashboard that simplifies complex datasets without requiring coding knowledge.
4	**Social Impact / Customer Satisfaction**	Enables better housing policy planning, accurate pricing decisions, and faster insights, leading to higher productivity, transparency in real estate trends, and customer confidence.
5	**Business Model (Revenue Model)**	Can be converted into a commercial BI solution or a subscription-based dashboard service for real estate firms, offering monthly updates, custom dashboards, or consulting services.
6	**Scalability of the Solution**	Easily scalable to include new housing data, expand to other cities or countries, integrate with live databases, or embed in websites for public or enterprise use.