

Project Design Phase
Proposed Solution

Date	26 June 2025
Team ID	LTVIP2025TMID47436
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 Marks

Proposed Solution:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Home buyers, sellers, and analysts face challenges in interpreting large volumes of real estate data. There's a lack of intuitive visual tools that present pricing, location, and property trends clearly.
2.	Idea / Solution description	The project offers an interactive Tableau-based dashboard using the Transformed_Housing_Data2.csv dataset. Users can explore housing trends like price by location, area vs price, resale vs new, etc. via visual charts and filters.
3.	Novelty / Uniqueness	Unlike static listings or Excel sheets, our solution provides dynamic data visualization. It uses real-world housing data and allows non-technical users to interactively explore trends with minimal effort.
4.	Social Impact / Customer Satisfaction	Users gain transparency in housing data, reducing dependency on biased brokers. It empowers them to make data-driven decisions, improving trust and satisfaction for both buyers and sellers.
5.	Business Model (Revenue Model)	The dashboard can be offered as a subscription tool to real estate firms, property portals, and consultants. It can also be embedded into websites for an enhanced customer experience
6.	Scalability of the Solution	The solution can scale to include new datasets, more advanced charts, machine learning for price prediction, and user-specific recommendations. It can support national-level or city-level real estate datasets.