Project Design Phase-I
Proposed Solution Template

Date	09 February 2026
Team ID	LTVIP2026TMIDS38402
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 Marks

Proposed Solution Template:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Real estate buyers, sellers, and analysts face difficulty in understanding housing price trends, renovation impact, and property features due to scattered and unstructured data. There is a need for a centralized system to analyze housing market trends effectively.
2.	Idea / Solution description	The proposed solution is a Housing Market Analysis System that collects housing dataset (CSV/Database), performs data cleaning and processing, and visualizes insights using Tableau dashboards. The system provides interactive reports on sale prices, house age, number of bedrooms, bathrooms, floors, and renovation impact.
3.	Novelty / Uniqueness	The solution provides interactive visual dashboards with real-time filtering and story-based insights. It simplifies complex housing data into easy-to-understand charts and analytics for decision-making.
4.	Social Impact / Customer Satisfaction	Helps buyers make informed property decisions, assists sellers in pricing strategies, and supports researchers in analyzing housing trends. Improves transparency in the real estate market.
5.	Business Model (Revenue Model)	Subscription-based access for real estate agencies and analysts. Premium dashboard access for advanced analytics. Data insights service for property consultants.
6.	Scalability of the Solution	The system can be scaled using cloud deployment. It can handle larger datasets, integrate multiple city databases, and support more users by deploying on cloud infrastructure like AWS / IBM Cloud.