Project Design Phase-I
Proposed Solution Template

Date	01 February 2026
Team ID	LTVIP2026TMIDS79794
Project Name	**Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau**
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Housing datasets are large and difficult to understand in raw format. There is no clear visualization showing housing sales trends, renovation impact, and feature-based price analysis, making it difficult to extract insights.
2.	Idea / Solution description	Develop interactive Tableau dashboards and integrate them into a Flask-based web application to visualize housing price trends, renovation effects, and house feature influence on pricing.
3.	Novelty / Uniqueness	The solution combines data preprocessing, advanced Tableau visualization, and web deployment into a single system for easy access and real-time visualization of housing market trends.
4.	Social Impact / Customer Satisfaction	Helps students, analysts, and researchers easily understand housing market trends and make data-driven decisions using visual dashboards.
5.	Business Model (Revenue Model)	Freemium model — Basic dashboard free, advanced analytics and customized reports available through subscription or service-based pricing.
6.	Scalability of the Solution	The solution can be scaled by integrating cloud databases, adding machine learning models for price prediction, and expanding to larger real estate datasets.