Project Design Phase
Proposed Solution Template

Date	**21 June 2025**
Team ID	**LTVIP2025TMID48542**
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 the proposed solution template.

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Understanding and identifying trends in housing market data can be challenging due to the volume and variety of factors such as location, property features, and time. Users lack an intuitive way to interpret how these factors influence housing prices.
2.	Idea / Solution description	This project proposes a data-driven approach using Tableau to visualize housing market trends. The system will enable users to upload datasets, process and clean data using Python, and explore trends through interactive dashboards. This helps users gain insights into pricing patterns, feature impact, and location-based analytics.
3.	Novelty / Uniqueness	The solution uniquely combines data preprocessing in Python with the powerful visual exploration capabilities of Tableau. It offers a no-code experience to users who want to explore complex datasets through simple filters and charts.
4.	Social Impact / Customer Satisfaction	The solution can benefit homebuyers, real estate analysts, and developers by providing transparent and accessible housing market information. It promotes informed decision-making and enhances customer confidence.
5.	Business Model (Revenue Model)	This solution can be offered as a freemium Tableau dashboard tool with optional customization services for real estate firms. Revenue can be generated through consulting, dashboard tailoring, or training packages.
6.	Scalability of the Solution	The system is designed to handle moderately large datasets and can be scaled to integrate APIs for live data or support larger data infrastructure with cloud-based Tableau solutions in the future.