

**Project Development Phase**  
**Model Performance Test**

Date	28 June 2025
Team ID	LTVIP2025TMID51671
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Housing sales data with 25,000+ entries including features like area, location, sale price, number of bedrooms, etc.
2.	Data Preprocessing	<ul style="list-style-type: none"><li>- Removed null &amp; duplicate entries</li><li>- Converted price to numeric format</li><li>- Filtered outliers in price and area</li><li>- Standardized location names</li></ul>
3.	Utilization of Filters	<ul style="list-style-type: none"><li>- City-wise filter to compare areas</li><li>- BHK and price range sliders</li><li>- Year-wise and area-wise filters</li><li>- Feature-based filters (like garage, lot size)</li></ul>
4.	Calculation fields Used	<ul style="list-style-type: none"><li>- Price per Square Foot</li><li>- Average Price by Area</li><li>- Percentage price growth</li><li>- Feature-to-price ratio</li></ul>
5.	Dashboard design	5. clear visualizations: <ul style="list-style-type: none"><li>- Area vs Price Scatter Plot</li><li>- City-wise Average Price Bar Chart</li><li>- Line Chart for Price Trends over Years</li><li>- Pie Chart of Feature Distribution</li><li>- Heat Map of Price by Location</li></ul>
6	Story Design	4. story points: <ul style="list-style-type: none"><li>- Price Trend Analysis</li><li>- Feature Impact on Pricing</li><li>- Area-wise Comparison</li><li>- Buyer-Friendly vs Expensive Zones</li></ul>