

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

Date	29 June 2025
Team ID	LTVIP2025TMID48638
Project Name	visualizing housing market trends: an analysis of sale
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 dataset including variables like price, location, year, square footage, and number of bedrooms
2.	Data Preprocessing	<ul style="list-style-type: none"><li>- Cleaned missing values</li><li>- Converted dates to proper formats</li><li>- Normalized pricing data</li><li>- Created time-series aggregates</li></ul>
3.	Utilization of Filters	<ul style="list-style-type: none"><li>- Date range filter (year/month)</li><li>- Region/City filter</li><li>- Price range slider</li><li>- Number of bedrooms selector</li></ul>
4.	Calculation fields Used	<ul style="list-style-type: none"><li>- YoY Price Growth (%)</li><li>- Average Price per Square Foot</li><li>- Moving Average (3 months)</li><li>- Days on Market difference</li></ul>
5.	Dashboard design	<b>No of Visualizations / Graphs - 6</b> <ul style="list-style-type: none"><li>- Line Chart (Price Trend over Time)</li><li>- Map (Price by Region)</li><li>- Bar Chart (Sales Volume by City)</li><li>- Scatter Plot (Price vs Sqft)</li><li>- KPI Cards (Avg Price, Total Sales)</li><li>- Heatmap (Price Distribution by Month &amp; Region)</li></ul>
6	Story Design	<b>No of Visualizations / Graphs - 4</b> <ul style="list-style-type: none"><li>- Story points explaining price trends, market hotspots, seasonal shifts, and future projections based on past data</li></ul>

