

# HOUSE PRICE PREDICTION PROGRAM

**Project Name:** House price prediction

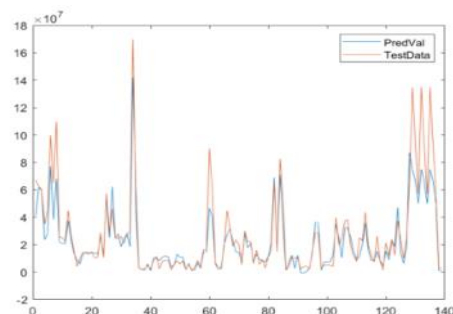
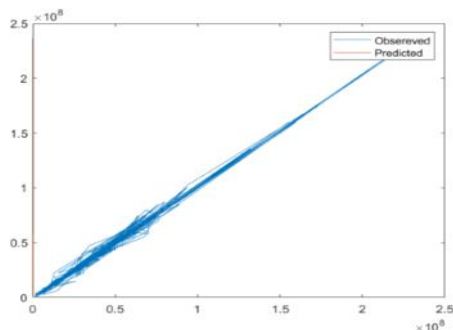
**Project Type:** Bachelors of Computer Engineering. Engineering project I course project.

**Project Team:**

- Ammar Mohammed Tofik (computer engineering)

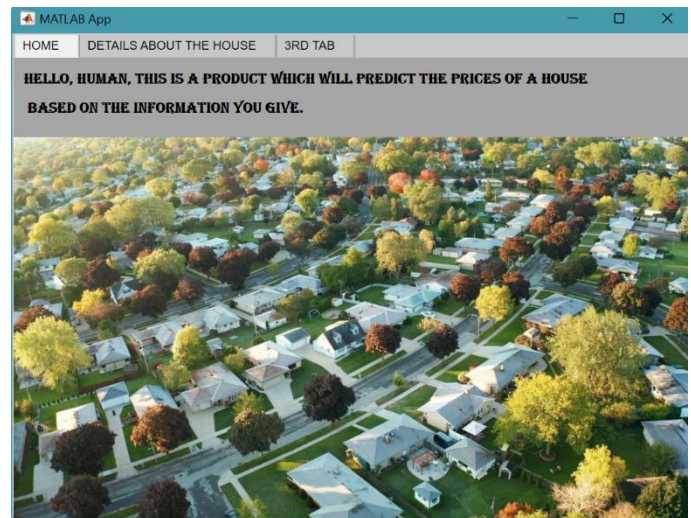
**Project Aim:** Using machine learning in MATLAB and MATLAB GUI to predict prices of a house based on the given data like area, BHK, number of parking and etc.

**Output of the project:** The program has an of output the predicted price of the house additionally it will show the graph of the predicted price and the actual price as shown below.



**Commercialization Potential:** This software is accessible for everyone easy to use and also user friendly which means it could be used with anyone who needs it to know a price of a house without dealing with too many brokers. It is an application which will be installed on a PC and can be used like any other applications.

**The layout of the application:**



A screenshot of the MATLAB App GUI, showing the '3RD TAB'. The window title is 'MATLAB App'. It has three tabs: 'HOME', 'DETAILS ABOUT THE HOUSE', and '3RD TAB'. The '3RD TAB' is active, displaying a form titled 'THE FOLLOWING ARE DATAS YOU ARE REQUIRED TO ENTER IN ORDER TO PREDICT THE PRICE OF THE HOUSE'. The form contains several input fields with dropdown menus and numeric input boxes. The fields are: FURNISHING (Furnished), LOCALITY (Abul Fazal...), Area (1.056e+04), LOCATION (Karol Bagh), TYPE (Builder\_F...), PARKING (3.423e+04), DISTRICT (Central De...), BHK (2), TRANSACTION (Resale), BEDROOM (23), and STATUS (Ready\_to...). A 'PREDICT' button is located below the form. To the right of the button, the predicted price is displayed as '361626848' in a blue box, followed by a green checkmark. Below the predicted price, a label reads 'predicted price is : this much Result'.