Subject: Machine Learning – I (DJ19DSC402)

MINI PROJECT

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**TITLE:** ***PRICE PREDICTION OF HOUSES***

**Problem statement:**

Today with the increasing population there is also and increase of demand on land and area .For this many brokers and real estate agents are available which help people to get the desired houses. With the help of this model, we can replace the agents with and app or web consisting this model. The goal of this project is to build a model that can predict the price of apartment in different locations based on various attributes such as location, square feet, resale value, etc. This model can be used by real estate agents or buyers to make informed decisions about the price of the apartment.

**Dataset Attributes:**

**POSTED\_BY:** Whether the listing was posted by an owner or a dealer.

**UNDER\_CONSTRUCTION:** Whether the apartment is under construction or ready-to-move.

**RERA:** Whether the apartment is registered under RERA or not.

**BHK\_NO**: Number of bedrooms in the apartment.

**BHK\_OR\_RK:** Whether the apartment is a BHK or a studio (RK).

**SQUARE\_FT:** Total square footage of the apartment.

**READY\_TO\_MOVE:** Whether the apartment is ready to move.

**RESALE:** Whether the apartment is a resale or a new property.

**ADDRESS:** The location of the apartment.

**LONGITUDE:** The longitude of the apartment's location.

**LATITUDE:** The latitude of the apartment's location.

**TARGET(PRICE\_IN\_LACS):** The target variable or the price of the apartment in lacs.

**Justification:**

This dataset is suitable for solving the problem statement as it contains all the necessary attributes required for predicting the price of a 2 BHK apartment. The dataset has information about the location, square footage, resale value, and other important attributes that can influence the price of the apartment. Additionally, the dataset contains information about apartments located in different cities, making it possible to build a model that can predict the price of a 2 BHK apartment in different locations.

**Source:** [House Price Dataset | Kaggle](https://www.kaggle.com/datasets/akash14/house-price-dataset)

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated with medium confidence