Project Proposal

1)Project Title : Housing Rate Prediction
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2) Goals and objective:
      2.1) Motivation - The objective of this report is to provide an overall idea and the details of the project " Housing Rate Prediction". The main aim of this project is to provide users with a reliable website which could help them in finding the correct rate of a house in any area.
Machine Learning plays a major role from past years. We recommend this housing rate model to support a house vendor or a real estate agent for better information on the valuation of house.

      2.2) Significance - The sites connect the users to a third party that is, the broker. There are various brokers who might charge more than reasonable rate. Because, there are many categories of people who plans to buy a home. Such as, student, old age person etc.

Therefore, we are planning to create a project that could assure the users before buying/selling a house. We would collect the data by performing scraping. By performing, Machine Learning on the data set. The desired output will be gained.

2.3) Objectives - The main objective was to create a website that would be completely reliable, accurate as accurate house rate prediction is of great significance to various real estate stakeholders such as house owners, buyers, investors, and agents. To ease the process of knowing the price sitting at home just by clicking and adding the details for their dream home.

2.4) Features - Website will be complete solution for the users who want to predict price without any hesitation and without spending a penny. All they have to do is create an account. After which, they can predict the price.

3) References -

- https://www.kaggle.com/erick5/predicting-house-prices-with-machine-learning
- https://ieeexplore.ieee.org/document/8614000
- https://www.makaan.com/
- https://www.ijitee.org/wp-content/uploads/papers/v8i9/I7849078919.pdf
- https://www.99acres.com/
- https://towardsdatascience.com/machine-learning-project-predicting-boston-house-prices-with-regression-b4e47493633d
- Housing Value Forecasting Based on Machine Learning Methods by Jingyi Mu, Fang Wu, and Aihua Zhang
- Gupta and Das (2010) Forecasting the US Real House Price Index: Structural and Non-Structural Models with and without Fundamentals

- Adair, J. Berry and W. McGreal, "Hedonic modeling housing submarkets and residential valuation", Journal of Property Research, vol. 13, pp. 67-83, 1996.

Github Link-