BE (CSE) 7th Sem

Computer Science and Engineering

University Institute of Engineering and Technology, Panjab University, Chandigarh

MINOR PROJECT(CS757)
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Project Synopsis:
House price predictor

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Title: Property Price Prediction

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Introduction:

House Price prediction are very stressful work as we have to consider different things while buying a house like the structure and the rooms kitchen parking space and gardens. People don't know about the factor which influence the house price. But by using Machine learning we can easily find the house which is to be prefect for us and helps to predict the price accurately

Objective:

The aim of this project is to design and implement a house price predictor. This model will be capable of predicting the prices of houses based on features like location, no. of rooms, building type, avg price and more. This project also aims to create a website via which people can find houses easily and without hassle.

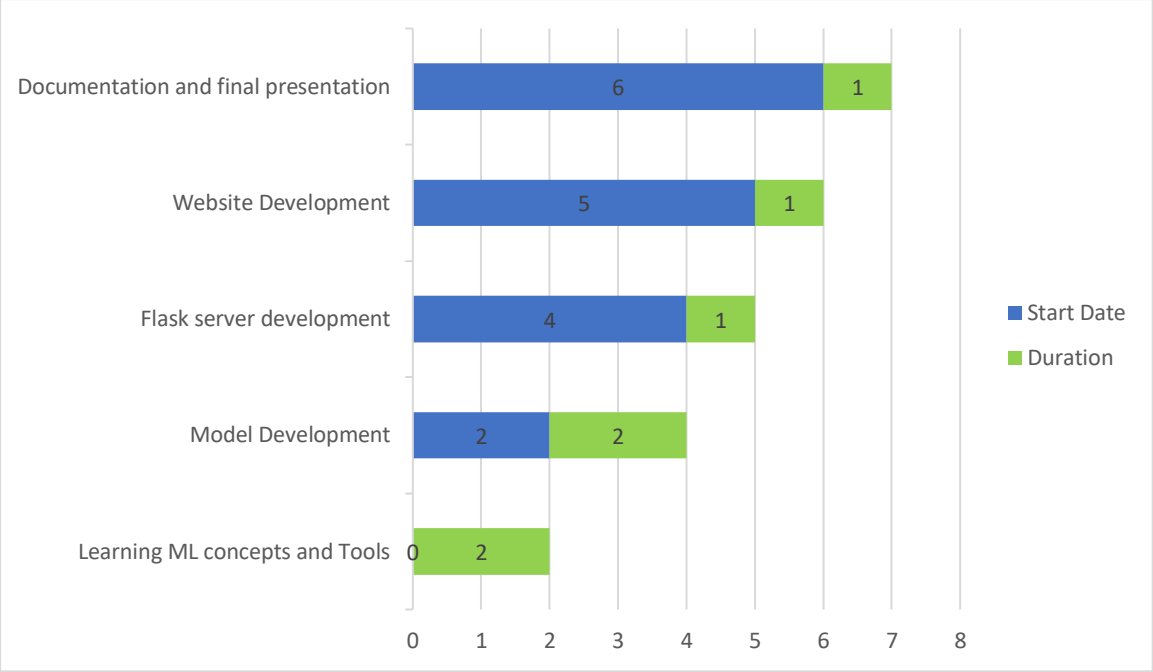
Tools To Be Used For Project:

1. Data Manipulation and Analysis: **Numpy, Pandas**
2. Machine Learning Model creation: **Scikit-Learn, TensorFlow**
3. Web Framework : **Flask server**
4. Web Development: **HTML, CSS, JavaScript**
5. Development Environment: **Jupyter Notebook**
6. Data visualization: **Matplotlib**

Expected Outcome:

- The expected result of this project should be capable to function as a fully functional house price prediction model that precisely predicts the price of the house users are looking for.
- Our project will also have a user friendly web application that would allow users to input property features and receive accurate price predictions
- Visualization of results for better interpretability and insights.
- Our project aims to replicate the house market industry by enabling data-driven property pricing.
- Our project aims to reduce stress of the user by providing them with accurate pricing information, helping to prevent overcharging.

Gnatt Chart:


Documentation and final presentation
Website Development
Flask server development
Model Development
Learning ML concepts and Tools
6
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4
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4
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6
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8
Start Date
Duration