HCL INTERNSHIP

MINI PROJECT

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Section: CSE C3

TITLE:

House Rent Prediction

ABSTRACT:

People looking to rent a house tend to be more conservative with their budgets and priorities. There are several factors that affect the rental cost of the house such as location, maintenance cost, property size, etc. This system proposes a performance comparison between two machine learning regression algorithms. The regression algorithms used in this study are Linear Regression and Random Forest. The accuracy of the prediction is evaluated by checking the accuracy and root mean square error score of the training model. The test is performed after applying the required pre-processing methods and splitting the data into two parts. However, one part will be used in training the model and the other in testing phase. Linear Regression gives best score when compared to Random Forest algorithm. So, we used Linear Regression model to predict the house rents. By analyzing previous market trends and price ranges the future prices will be predicted. The functioning of this project involves a website which accepts customer's specifications and then uses the prediction model to predict the house rent. The system will return the predicted house rent to the customer based on the specifications the customer gives. This application will help customers to make their own research and analyze without approaching real-estate brokers when searching to rent a property.

FLOW DIAGRAM: