LOVELY PROFESSIONAL UNIVERSITY



SYNOPSIS REPORT

OF

PROJECT

SUBMITTED TO- SUBMITTEDBY-

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Predicting The Price of Used Cars

Using Linear regression

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# Problem

The prices of new cars in the industry is fixed by the manufacturer with some additional costs incurred by the Government in the form of taxes. So, customers buying a new car can be assured of the money they invest to be worthy. But due to the increased price of new cars and the incapability of customers to buy new cars due to the lack of funds, used cars sales are on a global. There is a need for a used car price prediction system to effectively determine the worthiness of the car using a variety of features. Even though there are websites that offers this service, their prediction method may not be the best. Besides, different models and systems may contribute on predicting power for a used car’s actual market value. It is important to know their actual market value while both buying and selling

## THE DATA

The data used in this project was downloaded from Kaggle. We first cleaned the data using various techniques and then followed by Exploratory Data Analysis (EDA) for analyzing the data using various Plots and to find the co relation present in the data.

SYSTEM DESCRIPTION:

1. This model was built using Linear Regression.
2. The Graphical Demonstration was built using Flask module of Python
3. We plotted several Graphs using Matplolib and seaborn.

WORK DISTRIBUTION:

1. Finding the Right Dataset and Cleaning the Dataset – Yamini and Rochak
2. Finding the co-relation in the Data and Building the Machine Learning Model using Linear Regression - Varma and Ashutosh.
3. Buliding the Graphical Demonstration using Flask – Varma.

GHANTT CHART**:**