SYNOPSIS

Name: Shaikh Mariya Mohd Iqbal
Prn No: 2020430035

Class: TY-BSc-Information Technology

1.TITLE OF THE PROJECT:

Resale Valuation of Used Cars in India

2.INTRODUCTION:

The title of the project is “Resale Valuation of Used Cars in India”. In this project I will build a model that can predict the resale valuation (Price) of the used cars such that it will become convenient for the customer to choose the best deal among the wide range of options available in the market and I will hereby deploy the model into a Web Application which will be itself build by myself.

3.OBJECTIVE OF THE PROJECT:

The main objective of the project is to model a resale valuation for used cars in India and make it convenient for the customer to choose the right fit of best deal among various options available.

4.PROJECT CATEGORY:

Data Science, Web Application.

5.EXISTING SYSTEM:

There is No Existing System for checking the resale valuation of the used cars and the customer has to manually compare the Price on the basis of different factors like features of the Car, how much km it is driven, etc on different website, which in turn is very time consuming yet the customer sometimes couldn't grab a best deal such that their efforts get waste.

6.PROPOSED SYSTEM:

In this model I will use the steps like Data Mining, Data Cleaning, Data Exploration and Analysis, Feature Engineering, Predictive Modelling and Data Visualization. All this step will help me to build a model that will easily predict the resale valuation of the Car and the customer can access this model from the Web Application directly and get benefit from the prediction. The customer will just have to provide some features of the Car on the Website and my model will provide the Best Price Prediction.

7.LANGUAGE AND TECHNOLOGY USED:

Languages Used: Python and its Libraries - Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, streamlit.

Technology Used: Jupyter Notebook, MS-Excel, Tableau, Visual Studio Code.

8.HARDWARE AND SOFTWARE REQUIREMENT:

HARDWARE:

RAM Memory Minimum 4GB

Processor	Minimum Intel Corei7 7th Generation
Hard disk	Minimum 256 GB SSD

SOFTWARE:

Operating System	Windows or Linux