Skill Development Laboratory

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| **TITLE OF PROJECT** –  Used Car Price Evaluation. | | | |
| **Abstract :**  A car price prediction has been a high interest research area, as it requires noticeable effort and knowledge of the field expert. Considerable number of distinct attributes are examined for the reliable and accurate prediction. Vehicle price prediction especially when the vehicle is used and not coming direct from the factory, is both a critical and important task. With increase in demand for used cars more and more vehicle buyers are finding alternatives of buying new cars. There is a need of accurate price prediction mechanism for the used cars. Prediction techniques of machine learning can be helpful in this regard. It is common to lease a car in many countries rather than buying a new car. After the lease periodis over, the buyer has the possibility to buy the car at its residual value, i.e. its expected resale value.Approximately 40 million used vehicles are sold each year. Effective pricing strategies can help any company to efficiently sell its products in a competitive market and making profit. | | | |
| **Objectives:**  1. First, to reduce the price of used cars by 10-15% by taking into account a set of features, based on historical data.  2. Second, to get a better understanding on the most relevant features that help determine the price of a used vehicle.  3. Valid predictions about Used Cars. | | | |
| **Dataset**  Numerical dataset  This is real Dataset taken from one of the companies.Our Dataset Contains 4340 rows and 10  attribute.  name , year , km\_driven , fuel , seller\_type , transmission , owner , Rating , ExShowroom Price  selling\_price. | | | |
| * **Libraries and Framework/ Platform –**   **Sklearn ,Pandas,Matplotlib , Django ,Vs-code, Anaconda(Jupyter notebook)**  **Sublime Text 3 ,Microsoft Excel ,Command Prompt** | | | |
| **Machine Learning Algorithm- Random Forest Regression** | | | |
| No | **Roll Number** | **Name of the Student** | **Class** |
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Note- Must be written in single page and in given format only.