CAR RESALE VALUE PREDICTION:

Problem Statement:

With difficult economic conditions, it is likely that sales of second-hand imported (reconditioned) cars and used cars will increase. In many developed countries, it is common to lease a car rather than buying it outright. After the lease period is over, the buyer has the possibility to buy the car at its residual value, i.e. its expected resale value. Thus, it is of commercial interest to sellers/financers to be able to predict the salvage value (residual value) of cars with accuracy.

Defining the Problem with the 5 w's:

1. Who does the problem affect?

The problem affects the consumers who are in need to sell their used cars. Since it needs an expert who is well versed in predicting the value of used cars.This resource spent towards the manpower can be greatly reduced and replaced with a simple software.

2. What are the boundaries of the problem?

Organizational boundary: While managing the dataset, the software cannot recognise the vehicle condition without having to enter the details manually by an end user i.e data entry.

3. What is the issue?

Following the traditional way of selling cars through manual intervention is tedious and more vulnerable to data errors and losses. This can greatly reduce the organization's sales growth in the long term.

4. When does the issue occur?

When the organization is overwhelmed with a lot of work and responsibilities, it may reduce efficiency and may not be able to track intricacies involved with prediction of used cars.

5. Where is the issue occurring?

This issue occurs where the organization uses the traditional way of tracking and analyzing the car condition and is devoid of software that can manage the system.

6. Why is it important that we fix the problem?

The organization needs a way to maintain a systematic software procedure to analyze the data of used cars because of improper prediction. The Car Resale Value Prediction system will greatly aid the organization on their vision for improving their business by providing future statistics and analysis of reselling cars.