Project Title:

Machine Learning-based Vehicle Performance Analyzer

Project Design Phase - 1

Problem Solution Fit

Team members:

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1. CUSTOMER SEGMENTS	2. CUSTOMER CONSTRAINTS	3. AVAILABLE SOLUTIONS
The customer is one who wants to predict the performance of the vehicle	• To determine the worthiness of the car by their own within few minutes • A loss function is to be optimized by spending money for dealers, brokers to buy or sell a car.	• In the past User cannot find the value of used car buy their own without prior knowledge about cars. • A person who don't know much about the car can also make predictions for used cars easily.
4. JOBS-TO-BE-DONE/PROBLEMS	**5. PROBLEM ROOT CAUSE**	**6. BEHAVIOUR**
To build a supervised machine learning model using regression algorithms for forecasting the value of a vehicle based on multiple attributes such as Condition of Engine, Year of Registration, Kilometers, Number of Owner.	• The price predicted by the dealers or brokers for used car is not trustful. • Users can predict the correct valuation of the car remotely without human intervention like car dealers. • User can eliminate the valuation predicted by the dealer.	The History of Your Car's condition and documents produced by them will be Suspicious. The model is to be built would give the nearest value of the vehicle by eliminating anonymous value predicted by using humans.

7. TRIGGERS	8. YOUR SOLUTION	9. CHANNELS of BEHAVIOUR
Users can predict the correct valuation of the car by their own like Olxcars, Cars24 and other car resale value prediction websites by using model,year,owner,etc	• The main aim of this project is to predict the price of used cars using the Machine Learning (ML) algorithms and collection data's about different cars. • The project should take parameters related to used car as inputs and enable the customers to make decisions by their own.	• Customer should predict the worth of the car by using different parameters given by the owner. • User Should confirm the details provided about the vehicle in RTO online. • User can decide by seeing the exterior and interior condition of the car. • User can test the performance of the car and to buy it up in a affordable price based on its condition.

10. EMOTIONS: BEFORE / AFTER

Before:

User will be in fear about the biased values predicted by the humans based on the condition of the car.

After:

User can determine the worthiness of the car by their own without human intervention.