Project Title: Car Resale Value Prediction **Project Design Phase-I -Problem Solution Fit** **Team ID:** PNT2022TMID16869

Explore AS, differentiate

1. CUSTOMER SEGMENT(S) CS

The car sellers

6. CUSTOMER CONSTRAINTS

- A loss function is to be optimized by spending money for dealers,brokers to buy or sell a car.
- To determine the worthiness of the car by their own within few minutes

5. AVAILABLE SOLUTIONS AS

- A person who don't know much about the car can also make predictions for used cars easily.
- In the past User cannot find the value of used car buy their own without prior knowledge about cars.

2. JOBS-TO-BE-DONE / PROBLEMS J&P

To build a supervised machine learning model using regression algorithms for forecasting the value of a vehicle based on multiple attributes such as

- Year of Registration
- Kilometers
- Number of Owner
- Show room price
- Fuel type

9. PROBLEM ROOT CAUSE RC

- 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.

7. BEHAVIOUR BE

- The History of Your Car's condition anddocuments 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.

3. TRIGGERS TR

Users can predict the correct valuation ofthe car by their own like Olxcars, Cars24 and other car resale value prediction websites by using model,year,owner,etc.

10. YOUR SOLUTION SL

- 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.

8. CHANNELS of BEHAVIOUR

8.1 Online CH

- Customer should predict the worth of the car by using different parameters given by the owner.

Identify strong TR & EM	4. EMOTIONS: BEFORE / AFTER EM 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.	The project should take parameters related to usedcar as inputs and enable the customers to make decisions by their own.	8.2 offline • User can test the performance of the car and to buy it up in a affordable price based on its condition.	