Project Design Phase-I – Problem Solution Fit

Project Title: Car Resale Value Prediction
Team ID: PNT2022TMID43312

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

People who are looking to buy or sell used cars.

6. CUSTOMER CONSTRAINTS CC

Lack of user-friendly, reliable and free technology, Lack of efficient algorithms, Lack of availability of secure and easy UI.

5. AVAILABLE SOLUTIONS AS

There are existing solutions that can predict the value for used cars but they are not very efficient and reliable. Also, with increase in dataset and factors algorithms might not perform well. So, the existing solutions lack the accuracy.

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

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

To develop a feature set with the factors contributing to the change of price and to implement an algorithm to predict the resale value of a car.

9. PROBLEM ROOT CAUSE RC

The need for secondhand cars and the people wishing to sell their used cars. Customers have to do it in order to get a satisfactory value for the used cars.

7. BEHAVIOUR BE

Customers feel uncertain about the price and use the available technologies to get the resale value of a car.

Focus on J&P, tap into BE, understand RC

Identify strong TR &EM	3. TRIGGERS TR Coming across the need of knowing the price of a secondhand car 4. EMOTIONS: BEFORE / AFTER EM Before: Uncertain, worried and confused. After: Relieved, clear and happy.	10. YOUR SOLUTION SL To build a reliable technology that can address all the customer needs to predict the resale value of a car with all the factors contributing to the change of value of a car ensuring efficient functioning and results.	8.CHANNELS of BEHAVIOUR CH 8.1 ONLINE Can access the website and upload the details of their car and usage to get the resale value with the current condition. 8.2 OFFLINE Customers can seek into the details and condition of a car to get an approximate value.	Identify strong TR &EM