Project Title: Car Resale Value Prediction | **Project Design Phase-I - Solution Fit Template** | **Team ID:** PNT2022TMID50759

1. CUSTOMER SEGMENT(S) — CS

Business People

Buyers

Seller

Car Owners

6. CUSTOMER CONSTRAINTS — CC

Resale value

Cost of Ownership

Maintenance records

Reliability

Safety features

Histories records

5. AVAILABLE SOLUTIONS — AS

Searching in online websites

Gathering information from experts

Looking on e-commerce platform

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

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

To build a regression model for forecasting the value of a vehicle.

Giving necessary information about needs of customers.

9. PROBLEM ROOT CAUSE — RC

Lack of knowledge

Lack of trust

Unaware of object

7. BEHAVIOUR — BE

When the user is in lack of knowledge about the about suspicion will occur.

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

Identify strong TR & EM

3. TRIGGERS

Interest to predict price of their own car.

To gain knowledge about car.

4. EMOTIONS: BEFORE / AFTER — EM

Before: Worries about the outcome.

After: Satisfaction of the desired outcome & happiness.

10. YOUR SOLUTION — SL

By using machine learning and regression algorithms, we built a model. Then using python flask build a web application to predict the resale value of a car.

8. CHANNELS of BEHAVIOUR — CH

8.1 ONLINE

Online websites

E-commerce platforms

8.2 OFFLINE

Information through words from experts.

Identify strong TR & EM