

Project Design Phase-I Problem – Solution Fit

Date	30 September 2022
Team ID	PNT2022TMID12591
Project Name	Car Resale Value Prediction
Maximum Marks	2 Marks

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> People who are in need of affordable used cars that are available for selling 	6. CUSTOMER CONSTRAINTS CC <ul style="list-style-type: none"> Customers won't be able to reach out experts in this field and ask them about every car models that they are planning to buy. Time and energy consuming 	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> Following the price fixed by the seller Asking friends and family about price These solutions may be sometimes inaccurate 	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none"> Find the best resale value for a car that the customer wants to buy Extract the features that affect the car price from the dataset and find suitable machine learning model for price prediction 	9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none"> Some sellers may fix the resale price very high that is not worth paying No one will know the exact resale price of the car 	7. BEHAVIOUR BE <ul style="list-style-type: none"> Customer will try to reach out maximum people and ask their opinion on car price Try to get the car within the price range that others say 	
Identify strong TR & EM	3. TRIGGERS TR <ul style="list-style-type: none"> This makes the seller to provide reasonable price for the resale cars 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> Using Machine Learning models to predict the car resale values based on features like vehicle type, registration year, fuel type, kilometre driven etc and enable the customer to buy a resale car at a reasonable price 	8. CHANNELS of BEHAVIOUR CH <p>Online: customer would try to visit websites and blogs related to this topic.</p>	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER EM <ul style="list-style-type: none"> Before: Doubtful about the car price that the seller fixes, thoughts like is the car worth the price will make the person restless After: customer will have an non-human AI based opinion of car price 		<p>Offline: Customer would try to ask the people he/she knows. Try various sellers and find the optimal price</p>	