

Project Design Phase-I Problem – Solution Fit Template

Team ID	PNT2022TMID42137
Project Name	Car Resale value Prediction
College Name	AVS College Of technology

Problem – Solution Fit Template:

Due to the huge requirement of second hand cars and lack of experts and technician who can't determine the correct value about the performance of the car, there is a gap between customer and sellers. The main objective of the project focuses on building a system that can accurately predict a resale value of the car based on minimal features.

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ **Understand the existing situation in order to improve it for your target group.**

Template:

PROJECT TITLE: Car Resale value Prediction		PROJECT DESIGN PHASE 1: Solution Fit		TEAM ID: PNT2022TMID08862	
<div style="background-color: #f8d7da; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">1. CUSTOMER SEGMENT(S) CS</div> <div style="font-size: 0.8em;"> <ul style="list-style-type: none"> ✓ Sellers of their car ✓ Common and business members ✓ Racing members </div>	<div style="background-color: #f8d7da; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">6. CUSTOMER LIMITATIONS CL</div> <div style="font-size: 0.8em;"> <p>EG. BUDGET, DEVICES</p> <ul style="list-style-type: none"> ✓ Customers need to provide proper data while ordering ✓ Customers need to provide valid address ✓ Avoid unnecessary comments </div>	<div style="background-color: #f8d7da; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">5. AVAILABLE SOLUTIONS AS</div> <div style="font-size: 0.8em;"> <p>PLUSES & MINUSES</p> <p>Present Solution: Different online website to fetch results.</p> <p>Existing Solution: App with different features and process, delivery the car.</p> </div>	<div style="background-color: #fff3cd; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">2. PROBLEMS / PAINS - ITS FREQUENCY PM</div> <div style="font-size: 0.8em;"> <ul style="list-style-type: none"> ✓ Expectation are must to provide valid information's about the car ✓ To clear the customer queries </div>	<div style="background-color: #fff3cd; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">9. PROBLEM ROOT / CAUSE RC</div> <div style="font-size: 0.8em;"> <ul style="list-style-type: none"> ✓ It becomes very poor accuracy to predict the rate by admin/owner need to done in resale their car </div>	<div style="background-color: #fff3cd; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">7. BEHAVIOR - ITS INTENSITY BE</div> <div style="font-size: 0.8em;"> <ul style="list-style-type: none"> ✓ Due to the user doesn't have enough knowledge about that how to predict value of the resale cars in a kind of situation occurs. </div>
<div style="background-color: #d4edda; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">3. TRIGGERS TO ACT TR</div> <div style="font-size: 0.8em;"> <ul style="list-style-type: none"> ✓ By giving advertisements ✓ To provide except more car information </div>	<div style="background-color: #d4edda; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">10. YOUR SOLUTION SL</div> <div style="font-size: 0.8em;"> <p>To predict the car resale value based on the complete details of the car status by using machine learning with regression model</p> </div>	<div style="background-color: #d4edda; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">8. CHANNELS of BEHAVIOR CH</div> <div style="font-size: 0.8em;"> <p>ONLINE</p> <ul style="list-style-type: none"> ✓ Enter the complete car details and take a correct decision according to based on car resale value prediction <p>OFFLINE</p> <ul style="list-style-type: none"> ✓ Customers prefer offline for spending time with their family and friends </div>			
<div style="background-color: #d4edda; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">4. EMOTIONS - BEFORE / AFTER EM</div> <div style="font-size: 0.8em;"> <p>Before: Difficult to get proper info about the car.</p> <p>After: Based on our solution, customers can easily fetch the car details from the seller</p> </div>		<div style="background-color: #d4edda; padding: 2px; font-size: 0.8em; margin-bottom: 5px;">EXTRA</div> <div style="font-size: 0.8em;"> <p>Customer AS - differentiation</p> <p>Customer BE - Intensity</p> <p>Customer CH - offline, online</p> </div>			

References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>