

## Project Design Phase-I

### Problem – Solution Fit Template

Team ID	PNT2022TMID42107
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	
<b>1. CUSTOMER SEGMENT(S)</b> <span style="float: right; background-color: #f0f0f0; padding: 2px;">CS</span> <small>Define CS, fit into CL</small> <ul style="list-style-type: none"> <li>✓ Sellers of their car</li> <li>✓ Common and business members</li> <li>✓ Racing members</li> </ul>	<b>6. CUSTOMER LIMITATIONS</b> <small>EG. BUDGET, DEVICES</small> <span style="float: right; background-color: #f0f0f0; padding: 2px;">CL</span> <ul style="list-style-type: none"> <li>✓ Customers need to provide proper data while ordering</li> <li>✓ Customers need to provide valid address</li> <li>✓ Avoid unnecessary comments</li> </ul>	<b>5. AVAILABLE SOLUTIONS</b> <small>PLUSES &amp; MINUSES</small> <span style="float: right; background-color: #f0f0f0; padding: 2px;">AS</span> <small>Explore AS, differentiate</small> Present Solution: Different online website to fetch results. Existing Solution: App with different features and process, delivery the car.			
<b>2. PROBLEMS / PAINS</b> <small>• ITS FREQUENCY</small> <span style="float: right; background-color: #f0f0f0; padding: 2px;">PR</span> <small>Focus on PR, tap into BE, understand RC</small> <ul style="list-style-type: none"> <li>✓ Expectation are must so provide valid information's about the car</li> <li>✓ To clear the customer queries</li> </ul>	<b>9. PROBLEM ROOT / CAUSE</b> <span style="float: right; background-color: #f0f0f0; padding: 2px;">RC</span> <ul style="list-style-type: none"> <li>✓ It becomes very poor accuracy to predict the rate by admin/owner need to done in resale their car</li> </ul>	<b>7. BEHAVIOR</b> <small>• ITS INTENSITY</small> <span style="float: right; background-color: #f0f0f0; padding: 2px;">BE</span> <small>Focus on PR, tap into BE, understand RC</small> <ul style="list-style-type: none"> <li>✓ 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.</li> </ul>			
<b>3. TRIGGERS TO ACT</b> <span style="float: right; background-color: #f0f0f0; padding: 2px;">TR</span> <small>Identify strong TR &amp; EM</small> <ul style="list-style-type: none"> <li>✓ By giving advertisements</li> <li>✓ To provide except more car information</li> </ul>	<b>10. YOUR SOLUTION</b> <span style="float: right; background-color: #f0f0f0; padding: 2px;">SL</span> To predict the car resale value based on the complete details of the car status by using machine learning with regression model		<b>8. CHANNELS OF BEHAVIOR</b> <span style="float: right; background-color: #f0f0f0; padding: 2px;">CH</span> <small>Extract online &amp; offline CH of BE</small> ONLINE <ul style="list-style-type: none"> <li>✓ Enter the complete car details and take a correct decision according to based on car resale value prediction</li> </ul> OFFLINE <ul style="list-style-type: none"> <li>✓ Customers prefer offline for spending time with their family and friends</li> </ul>		
<b>4. EMOTIONS</b> <small>BEFORE / AFTER</small> <span style="float: right; background-color: #f0f0f0; padding: 2px;">EM</span> <small>Identify strong TR &amp; EM</small> Before: Difficult to get proper info about the car. After: Based on our solution, customers can easily fetch the car details from the seller					

#### References:

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