

## Project Design Phase-I

### Problem – Solution Fit Template

|               |                             |
|---------------|-----------------------------|
| Date          | 20 SEPTEMBER 2022           |
| Team ID       | PNT2022TMID08389            |
| Project Name  | Car Resale value Prediction |
| Maximum Marks | 2 Marks                     |

#### 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: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">1. CUSTOMER SEGMENT(S) <span style="float: right; color: #007bff;">CS</span></div> <div style="padding: 5px;"> <ul style="list-style-type: none"> <li>✓ Sellers of their car</li> <li>✓ Common and business members</li> <li>✓ Racing members</li> </ul> </div>   | <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> <span style="float: right; color: #007bff;">CL</span></div> <div style="padding: 5px;"> <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> </div> | <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">5. AVAILABLE SOLUTIONS <small>+ PLUSES &amp; MINUSES</small> <span style="float: right; color: #007bff;">AS</span></div> <div style="padding: 5px;"> <p><small>Present Solution:</small> Different online website to fetch results.</p> <p><small>Existing Solution:</small> App with different features and process, delivery the car.</p> </div>  |  |                           |  |
| <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> <span style="float: right; color: #007bff;">PR</span></div> <div style="padding: 5px;"> <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> </div>                  | <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">9. PROBLEM ROOT / CAUSE <span style="float: right; color: #007bff;">RC</span></div> <div style="padding: 5px;"> <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> </div>  | <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">7. BEHAVIOR <small>+ ITS INTENSITY</small> <span style="float: right; color: #007bff;">BE</span></div> <div style="padding: 5px;"> <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> </div>   |  |                           |  |
| <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">3. TRIGGERS TO ACT <span style="float: right; color: #007bff;">TR</span></div> <div style="padding: 5px;"> <ul style="list-style-type: none"> <li>✓ By giving advertisements</li> <li>✓ To provide except more car information</li> </ul> </div>  | <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">10. YOUR SOLUTION <span style="float: right; color: #007bff;">SL</span></div> <div style="padding: 5px;"> <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: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">8. CHANNELS of BEHAVIOR <span style="float: right; color: #007bff;">CH</span></div> <div style="padding: 5px;"> <p><small>ONLINE</small></p> <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> <p><small>OFFLINE</small></p> <ul style="list-style-type: none"> <li>✓ Customers prefer offline for spending time with their family and friends</li> </ul> </div> |  |                           |  |
| <div style="background-color: #f0f0f0; padding: 2px; font-size: 0.7em; margin-bottom: 5px;">4. EMOTIONS <small>BEFORE / AFTER</small> <span style="float: right; color: #007bff;">EM</span></div> <div style="padding: 5px;"> <p><small>Before:</small> Difficult to get proper info about the car.</p> <p><small>After:</small> Based on our solution, customers can easily fetch the car details from the seller</p> </div> |   |   |  |                           |  |

#### References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>

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