

Project Design – 1

Proposed Solution Fit

Date	04 October 2022
Team ID	PNT2022TMID16533
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

1. CUSTOMER SEGMENT(S)

CS

working individual or above age 18 with driving license. The owner of the vehicle who is responsible for the insurance policy.

6. CUSTOMER CONSTRAINTS

CC

The most common constraints faced by the customer is network connection because of the internet availability.

5. AVAILABLE SOLUTIONS

AS

Developing a solution, which can able to identify the right cost for the damage would be beneficial for many customers. the existing solution for this problem is detection of damage in vehicle by using machine learning alternatively we used Image detection using computer vision and deep learning algorithms.

Merits : Interaction between the customer and the insurance company become effective.

Demerits : This existing solution has more disadvantages as they are not provide the accurate result for the customer.

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- One of the major problem faced by the customers or the insurance companies are not having idea about the cost of repair for the damage.
- Insurance companies are failing to provide right amount for the car damage and the customers not able to claim for the damage

9. PROBLEM ROOT CAUSE

RC

Nowadays, a lot of money is being wasted in the car insurance business due to leakage claims. Claims leakage Underwriting leakage is characterized as the discrepancy between the actual payment of claims made and the sum that should have been paid if all of the industry's leading practices were applied. Visual examination and testing have been used to may these results. However, they impose delays in the processing of claims.

7. BEHAVIOUR

BE

Customer spend free time on volunteering work are find the right technology to perform the action and calculate the usage, benefits, and accuracy of the solution.

3. TRIGGERS

TR

- Reading about the more solutions in the news and various websites.
- Development of new technologies.

10. YOUR SOLUTION

SL

Automobile Industry is one of the major industry in a Country. This proposed system is Intelligent vehicle damage

1. CHANNELS of BEHAVIOUR

1. ONLINE

Customer interact with the webpage through internet .

CH

Focus on J&P, tap into BE, understand

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

Extract online

4. EMOTIONS: BEFORE / AFTER

EM

Before the customer are not able to claim accurate amount for the damage in vehicle. After the technology development the customer felt independent and comfortable to use the technologies and the solution can be more.

assessment and cost estimator for insurance companies using computer vision and Deep learning algorithm in artificial intelligence. The model will predict the location of the damage as in front, side or rear, and the severity of such a damage as in minor, moderate or severe and estimate the cost of damage of both car and bike.

8.2 . OFFLINE

Customer cannot access this webpage without internet.

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CH
of
BE



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