Project Design Phase-1
Problem Solution Template

Date	01 november 2022
Team ID	PNT2022TMID46848
Project Name	INTELLIGENT VEHICLE DAMAGE ASSESSMENT AND COST ESTIMATION FOR INSURANCE COMPANIES
Maximum Marks	2 Marks

1. CUSTOMER SEGMENT

- Common people
- Car companies
- Insurance companies
- Vehicle owner

2. JOBS-TO-BE-DONE /a PROBLEMS

- Analyze the damage part and giving good cost estimation for customer satisfy and support system

- Provide the good prediction system to predict the level of damage and modify the damage parts

CUSTOMER CONSTRAINTS Trust

Problem : The insurance companies

Give the fake information about the estimation cost modify damage part of ensuring profit of company from user

Anxiety : Customer concern is the level of

9. PROBLEM ROOT CAUSE

- Unaware about the level of damage
- Proper information about the estimation cost

severity of the damaged parts and fixing the extent of the damaged parts is also the customer concern.

5. AVAILABLE SOLUTIONS

By gathering information about the damage assessment from customer side and vehicle companies to understand the level of damage and cost needed to same

Searching the through the internet such as online website get the insight about the damage

- Not proper maintenance and accident Something etc......

7. BEHAVIOUR

The user does not know or is unaware how to deal with the damage part of vehicle

Inefficient to predict the level of damage and analysis to estimate the cost the damaged part this is The behavior

3. TRIGGERS

10. YOUR SOLUTION

SL

8. CHANNELS of BEHAVIOR

- Seeking help to identify the level of the damaged part. **TR**

- To help people with good prediction and analysis of level and cost for the damaged part of the vehicle.

- Collecting damaged parts of vehicles and preprocessing them to identify the severity and the location of damage.

- Users will be able to identify the level of damage by the prediction system.

- Using VGG16 Model to train the damaged parts and trying to estimate the cost for the same.

CH

ONLINE
- Online Websites
- Social Media Platforms

OFFLINE
- Customer throw Words
- Anxiety and Unawareness

Identify strong TR & EM

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4. EMOTIONS: BEFORE / AFTER

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Before: Lack of proper knowledge, Improper maintenance, Unawareness about the level of damage and difficulty in estimating the cost for damages.

- **After:** Good knowledge about the Vehicle parts, Efficient prediction system giving the level of damage and analyzing cost for the same.