**Project Title: Intelligent Vehicle Damage Assessment and Project Design Phase-I** - **Solution Fit Template Team ID:** PNT2022TMID25996

**Cost Estimator for Insurance Companies**

1. **CUSTOMER SEGMENT(S)**



**Define CS, fit into CC**

* + Insurance companies
  + Vehicle owner
  + Car companies
  + General Public

1. **CUSTOMER CONSTRAINTS C**

**CS**

* + Anxiety:

Customer concern about the level of the damaged parts.

customer concern also about the fixing of the damaged parts.

* + Trust Problem:

Trust issues about insurance companies**,** give the fake information about the estimation cost.

modify damage part for ensuring profit for the company from user.

**BE**

1. **BEHAVIOUR**
   * Inefficient to predict the level of damage and analysis the cost for the damage.
   * The user does not know or unaware about the process to deal with the damage parts of the vehicle.
2. **PROBLEM ROOT CAUSE RC**
   * Not proper maintenance and records related to the vehicle and accident.
   * Lack of Proper knowledge

about the estimation cost.

* + Not have the knowledge of the level of damage in the vehicle.
* Deliver a good prediction system to predict the level of damage.
* Analyze the damage part and giving good cost estimation for customer satisfaction and support system.

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

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

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

**5. AVAILABLE SOLUTIONS**

* Collecting the information **AS** about the damage from customer side and providing a

**Explore AS, differentiate**

damage assessment for the vehicle companies to understand the level of damage and cost estimation.

* Searching and get the knowledge through online website to get the insight about the damage.

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|  | 1. **TRIGGERS TR**    * Well known way to get good prediction and analysis the level, cost for the damaged part of the vehicle.    * Getting help of closest people to identify the | 1. **YOUR SOLUTION SL**    * First step is to collect the images of the damaged parts of the vehicle and the preprocessing the images to identify the severity and the location of damage. | 1. **CHANNELS of BEHAVIOUR**   **CH**   * + **ONLINE**     - Online Websites |  |

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|  | level of the damaged part. | * Second step the prediction system will predict the level of damage. * VGG16 model estimate the cost for the damage in the vehicle. | * Social Media Platforms * Mobile Application * **OFFLINE**   + Customer throw Words   + Anxiety and Unawareness   + Trust issues |  |
| 1. **EMOTIONS: BEFORE / AFTER EM**    * **Before:**   Not having the 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 correct level of damage |
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