# Project Design Phase-I
# Problem Solution Fit

| Date | 01 October 2022 |
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| Team ID | PNT2022TMID30128 |
| Project Name | Project – Intelligent vehicle damage assessment and cost estimator for insurance company |
| Maximum Marks | |

**Problem Solution Fit:**

| CUSTOMER SEGMENTS(S) | CUSTOMER LIMITATIONS | AVAILABLE SOLUTIONS (PROS AND CONS) |
|---|---|---|
| Insurance company | It will be in affordable price and User-friendly software | A camera exists which gets the data and after training the model, predicts the results. Various software and device have been developed but not gives accuracy rate |
| **PROBLEMS/ PAINS (ITS FREQUENCY)** <br> Unable to detect how the damage is deeply occurred | **PROBLEM ROOT/ CAUSE** <br> Since there is no proper system for damage detection, this software is used to predict the damages in the vehicle and gives the corresponding estimation for claiming insurance. | **BEHAVIOR ITS INTENSITY** <br> Analyses and provides results about the damages in the vehicle and helps to estimate and claim insurance. |
| **TRIGGERS TO ACT** <br> Insurance companies faces several loss of cost during covering the insurance for a vehicle but now we can predict exact cost for the damage | **YOUR SOLUTION** <br> A device is developed using ML algorithm and deep learning algorithms to detects the damages on the vehicle and corresponding estimations for claiming insurance. | **CHANNELS OF BEHAVIOR (ONLINE)** <br> Social media, Blogs |
| **EMOTIONS (BEFORE/ AFTER)** <br> Before developing this model, the insurance companies faces some problems to calculate the amount for damaged parts in the vehicle so there are some loss but now it is easy to calculate the cost for damaged parts, insurance company owners are happy. | | *OFFLINE* <br> Software developers and Friends |