**Project Title: Intelligent Vehicle Damage Assessment and Project Design Phase-I** - **Solution Fit Template Team ID: PNT2022TMID25973**

**Cost Estimator for Insurance Companies**







| **Identify strong TR & EM** | **3. TRIGGERS TR**   1. Systems running on the Cloud, especially those dealing monetary data are also heavily susceptible to cyber risks and require heavily structured frameworks to ensure customer data security. 2. Such a process will require a certain level of manual control and filter to avoid flooding of fraudulent insurance claims. | **10. YOUR SOLUTION SL**   * **The data set used in this application consisted of around 1500 images for the first gate check, while the classification models were trained on only 400 images per class, while the validation dataset had approximately 75 to 100 images each class. Such a model will have low accuracy.** * **With a wider range of data set featuring multiple components of the car, the model can also be trained to identify what components are damaged, also classifying the varying degree of damage of each.** * **With a highly expansive dataset containing the make, model, year of the car and the possible cost estimates for the varying degrees of damage, the model can also predict the value for the user, before he submits the more advanced and detailed assessment for evaluation.** * **Using more secure and durable hardware, the entire system can be built on the Cloud to run remotely and from the user’s cellular device itself.** * **The application can also be updated to recommend the user of policies pertaining to the specific accounts and other insurance benefits** | 1. **CHANNELS of BEHAVIOUR CH**     1. **ONLINE**   **In ecommerce, one size fits none. Customers expect a personalized approach that makes them feel special. Businesses today have to interact with their consumers to get to know them better and form meaningful, ongoing relationships**   * 1. **OFFLINE**   **Local media advertising. Advertising on both television and radio is still very effective in creating brand awareness** |  |
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| **4. EMOTIONS: BEFORE / AFTER EM**   1. **The field of Computer Vision is yet developing and not mature enough to deal with modular phone camera quality images. Angle, lighting, resolution are factors that can easily cause major disruptions in image classification.** 2. **Car insurance settlement claims require near perfect accuracy to ensure the customer is not frauded in the process. Such models would be required to be trained on humongous datasets which are highly difficult to procure**   . |