

**Project Design Phase-I**  
**Proposed Solution**

Date	26 September 2022
Team ID	PNT2022TMID33324
Project Name	Project – Intelligent Vehicle damage detection and Cost estimator
Maximum Marks	2 Marks

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Physical surveyor inspection of vehicle damage may cause delay in processing and it results in leakage claims. The customer may not receive an absolute claim for vehicle insurance.
2.	Idea / Solution description	The solution benefits insurers by transforming the claim value chain. It can speed up time-consuming claim settlements and creates a better customer experience, while also increasing efficiency.
3.	Novelty / Uniqueness	The aim of this project is to build a VGG16 model that can detect the area of damage on a car.
4.	Social Impact / Customer Satisfaction	Customer is satisfied with reasonable claim and faster processing. This project estimates the claim accurately where both customer and Insurance company gets benefited.
5.	Business Model (Revenue Model)	VGG16 model has been used to detect the vehicle damages using Artificial Intelligence.
6.	Scalability of the Solution	We have developed an app to display the functionalities and connectivity of the model. The app is fully cloud-hosted, yielding scalability and on-demand service, without any requirement of the internal infrastructure or maintenance cost.