

INTELLIGENT VEHICLE DAMAGE ASSESMENT AND COST ESTIMATE FOR INSURANCE COMPANIES USING ARTIFICIAL INTELLIGENT (AI)

LITERATURE SURVEY:

In this literature survey several methods have been proposed for detection of car damage. Srimal et al proposed a solution which uses 3D Computer Aided Design for the discernment of car damage from the picture, the system only detect damage at edge portion only. Detection of the car damage through CAD software requires some knowledge about the software.

S Gontscharov et al, the proposed system designed by using YOLO (you only look once) algorithm to detect the car damage, Here the multi sensor data fusion technique is allows to locate the portion of damage more accurately and performs detection faster compared to other algorithms which is fully automatic and doesn't require much human intervention.

Phyu Mar Kyu et al , the proposed system uses deep learning based algorithm are VGG16 and VGG19 damaged car detection in the real world. This algorithm notice the severity of the damaged car based on the location. Finally the author concludes that L2 regularization work greater.

Girish N et al , the proposed system uses vehicle damage detection technique depends on transfer learning and mask RCNN, The mask regional convolution neural network determines a damaged car by its position and estimate the depth of the damage.

A Neela Madheswari et al , the proposed system uses convolution neural network is use to accept that image contains a car damage or not. It take as great opportunities to attempt by classifying the car damage into different classes.