INTELLIGENT VEHICLE DAMAGE ASSESSMENT AND COST ESTIMATOR FOR INSURANCE COMPANIES

LITERATURE SURVEY

TITLE	AUTHOR	TECHNIQUES	MERITS	DEMERITS
Car Damage Detection using Machine Learning	Girish N , Mohammed Aqeel Arshad	Transfer learning and a mask regional convolutional neural network (Mask RCNN)	The results were quite accurate even though a small dataset was used	the picture object regional mismatch problem
Damage Assessment of a vehicle and Insurance Reclaim	Vaibhav Agarwal , Utsav Khandelwal, Shivam Kumar , Raja Kumar , Shilpa M	Convolution Neural Network, Deep Learning, Image classification, R-CNN and object detection.	It can categorize the proportion of damaged parts and determine whether they need to be replaced or repaired.	It only identifies the physical visible damage and not of the internal or the interior damage.
Car Damage Assessment Based on VGG Models	Phyu Mar Kyu, Kuntpong Worartpanya	Deep Learning, Transfer Learning, Pre-Trained VGG models	It uses very small receptive fields instead of massive fields.	It is a huge network, which means that it takes more time to train its parameters.
Assessing Car Damage with Convolutional Neural Networks	Harit Bandi, Suyash Joshi, Siddhant Bhagat, Amol Deshpande	Image recognition, Image Net, Transfer learning, Convolution Neural Network	The epoch number for the best performance of validation accuracy	Large training data needed

REFERAL LINK: https://site.ieee.org/thailand-cis/files/2019/12/JSCI8-Paper-5.pdf , https://ijarcce.com/wp-content/uploads/2021/09/IJARCCE.2021.10808.pdf , https://ijarcce.com/wp-content/uploads/2021/09/IJARCCE.2021.10808.pdf