**LITERATURE SURVEY ON INTELLIGENT VEHICLE DAMAGE ASSESSMENT AND COST ESTIMATOR FOR INSURANCE COMPANIES.**

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| **SNO** | **TITLE OF THE PAPER** | **NAME OF THE JOURNAL** | **NAME OF THE AUTHOR** | **YEAR OF PUBLISHING** | **ACHIEVEMENTS** | **DRAWBACKS** |
| 1. | Research on Intelligent Vehicle Damage Assessment System Based on  Computer Vision | Research Gate | Zhu Qianqian, Guo Weiming, Shen Ying,  Zhao Zihao | 2020 | By taking photographs with a single click, the method that has been presented enables speedy loss determination, price estimation, and immediate reimbursement. | In addition, by utilising the power of the intelligent damage determination system, the project can profit from the cutting-edge insurance technology of "AI + Vehicle Insurance". |
| 2. | Damage Assessment of a vehicle and Insurance Reclaim | IJCRT | Vaihav Agarwal, Utsav Khandelwal, Shivam Kumar, Raja Kumar, Shilpa M | 2022 | To determine the degree of damage, a system that employs CNN and image classification and accepts user input in the form of a picture has been built. | This model does not identify internal or interior damage; it only recognises physical visible damage. |
| 3 | Damage Assessment for Car Insurance | IRJET | Pranali Patil, Harsha Pawar, Mrunali Walanj, Priyanka Giri | 2019 | With the use of deep learning, a model has been created in which the user uploads an image or images of a damaged car using the camera on their mobile device. The entire cost of the car is then calculated based on the damage, and is then displayed in report format. | The best results are shown when transfer learning and group learning are combined. |
| 4 | Car Damage Assessment based on VGG models | JSCI8 | Phyu Mar Kyu,  Kuntpong Woraratpanya | 2019 | In the context of real-world datasets, this project has developed useful deep learning-based algorithms for automotive damage assessment. | Overfitting issues still exist with this model. As a result, it requires a huge dataset and various regularisation techniques. |
| 5 | Automatic vehicle damage detection with images. | U.PORTO | Faculdade de Engenharia da Universidade do porto | 2017 | The objective of this model is to create a system that can automatically locate and detect faults in pictures of autos. | It would be beneficial to estimate human performance on these activities with greater rigour. It may be worthwhile to employ alternate techniques, perhaps using these models merely as feature extractors. |