SNS COLLEGE OF TECHNOLOGY

An Autonomous Institution

Coimbatore-35.

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1st Review

CAR DAMAGE DETECTOR

BATCH NO - 7

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ABSTRACT

- Image-based vehicle Damage Processing is an important area with a large scope for automation.

- In this paper, we consider the problem of car damage classification, where some of the categories can be fine – Granular However, due to a small set of labeled data, it does not work well.

- Experimental results show that transfer learning works better than domain-specific fine-tuning.

INTRODUCTION

- In the automobile industry, a lot of money is wasted due to claims leakage and underwriting leakage.

- Visual inspection and validation have been used to reduce such effects.

- We employ convolutional neural networks to capture the images and we can detect the classification of car damage types.

- We consider the common damage types such as bumper dent, door dent, glass shatter, headlamp broken, and side mirror broken then the engine damaged parts then the scratch and smash areas.

- We observe that transfer learning combined with ensemble learning works the best.

- We also devise a method to localize a particular damage type.

PROBLEM STATEMENT

- There is no time to check the condition of the cars if any problem.

- And so many common peoples did not understand what is damage in the car.

- If they cannot find the exact solution have to search inside the car what type of damage is occurred.

- Then the people cannot find what is the condition of the parts inside the car and they cannot find the exact accuracy.

- Then there will be waste of time to remove until we can't find the solution. And they can't sell the damaged parts online and it will be a waste of money for the people.

EXISTING SYSTEM

- There is no proper existing system for car damage detectors. There are only partial systems like detection methods and capturing images of the damaged parts.
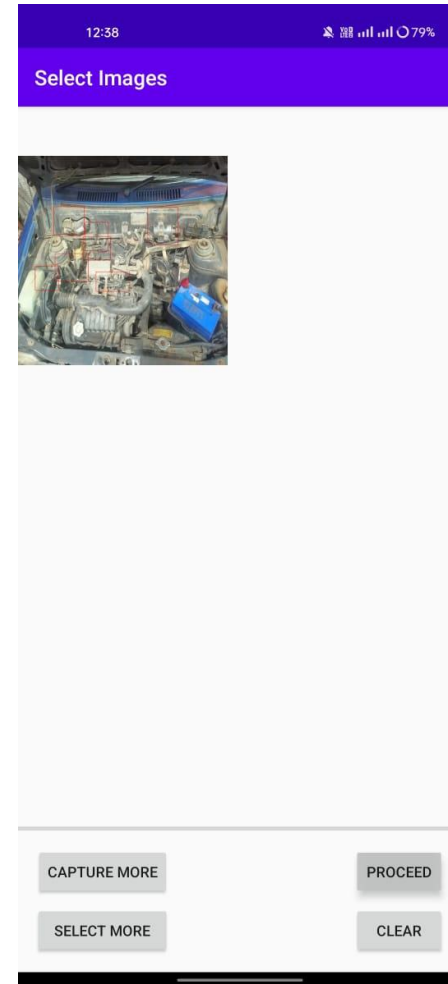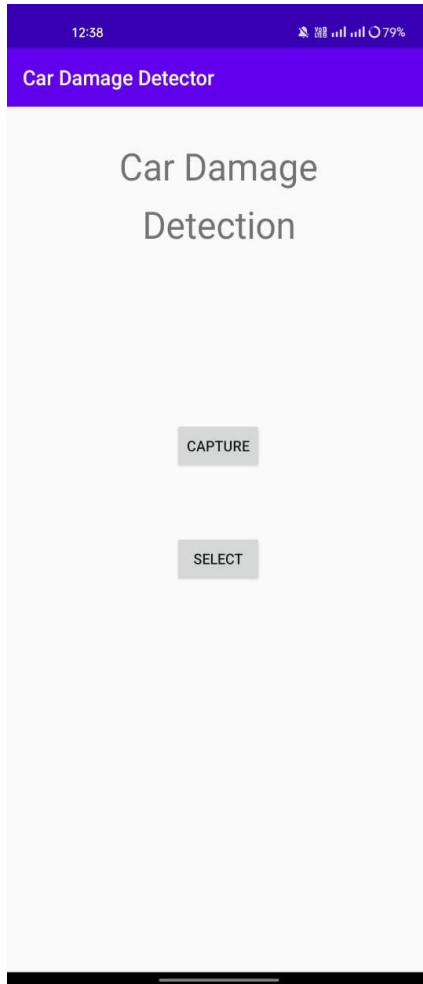
PROPOSED SYSTEM

- Car Damage detection will scan accurately . The damaged parts, it will show us the condition of the parts users can sell the damaged parts online through our project.

UPDATION

THANK YOU