

AUTOMOBILE BLACKBOX

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Keywords

Black box, evidence collecting, evidence securing,

Introduction

In the present world, most of the crime events are executed in four wheelers and the most used vehicle is car, were lack of information the justice is denied and it is very hard to solve the case. The worst situation is when the vehicle is burned or destroyed completely, for example the case of finding Sukumara Kurup were the person and car where burned totally leaving no evidence. Lack of technology, it took 37 years to solve the case, which could have solved in 37 hours by the technology called Black Box. When a vehicle collides with another vehicle, pedestrian, animal, road debris, or other stationary obstruction, such as a tree, pole or building. Traffic collisions often result in injury, disability, death, and property damage as well as financial costs to both society and the individuals involved. Road transport is the most dangerous situation people deal with on a daily basis.

Inspired from the news article of Indian Express, the concept like Black Box which is present in Airplanes which helps to rectify the mistake by the human negligence or internal vehicle faults or by the external conditions

Objective

- (a) To collect and secure the collected DATA/EVIDENCE of the incident
- (b) To help in investigation
- (c) To secure the evidence
- (d) To analyze the incidence
- (e) To transfer the data to Gmail
- (f) To collect the image

Methodology

- (a) Whenever the push button is triggered the Arduino nano will receive the signal, then the image will be captured using ESP32 CAM.
- (b) At any moment of time, the captured image stored in the local disk or the internal storage of ESP32 CAM is protected in the shell.
- (c) At the same time the gps coordinates are received from gps module converted into

