

Halt Violence Against Women and Children

In the world, women and children are not safe at all despite the efforts made by the government and other non-government organizations. There are many apps, emergency numbers, CCTV etc technology to prevent the violence but no such systems are useful much at the time of violence. So we decided to work on this issue.

Our proposed System:

There'll be a security and surveillance system device for real time human motion analysis through image processing and machine learning to detect abnormal behavior of victims. The device will analyze the human emotion recognition from facial image. We're planning to set up this device in public places, buses, institutions and workplaces where the women and children may oppressed.

How this will work?

The system will analyzing any suspicious motion of human and give alarm and also send signal to the nearest police stations. The device will have Raspberry-Pi cam and some sensors to record the videos at low cost. The motion analyzing and emotion recognizing will be done through Python and OpenCV.

Why this is better?

CCTV footage is not enough to prevent the violence at real-time. Someone need to monitor it all the day. It's not always possible to monitor it perfectly. Most of the time the video footage are checked after an incident, not on real time. Here, the victims don't need to do anything. So we want to make this system and sell it to prevent violence in real time.

Target audience:

Our target audiences are mainly vehicle companies like Bus, Aeroplane etc and any institution who want to enhance their security system to protect children and women. This system is also applicable in public places where CCTV is available to monitor public.