**CAPTURED 2.0**

Vasu Gupta E18CSE199

Varun Kumar Gupta E18CSE197

Vibhav Sharma E18CSE206

Vidisha Arvind E18CSE209

Suneet Jain E18CSE182

**Problem statement:**

Design an application using deep learning to accurately detect the presence of humans for disaster management for search and rescue operations.

**Introduction:**

Whenever disaster strikes, access to accurate information and the capacity to respond with life-saving assistance is critical. The project aims to find the humans in aerial videos or live videos taken for disaster management by creating an end-to-end autonomous system.

The system can efficiently distribute the drones to cover maximum area, and perform intelligent tasks such as detecting people (both visible and partially visible), whether they are able to move or not and activity recognition to help in optimizing the resources available.

So for the time being we have set the pose to be a waving hand in air. This hand will be detected and will assume that the person needs help. Then the suitable geographical coordinates of that person will be shared to the rescue team   
  
**Scope in future**

This product has greater scopes in coming future as.

* It can be used on the borders to detect entry of any armed terrorist from other side.
* It can be used on a rescue mission to detect human trapped in remote areas

It can be used for the security purposes too.