



CORONtine

With you in these tough times

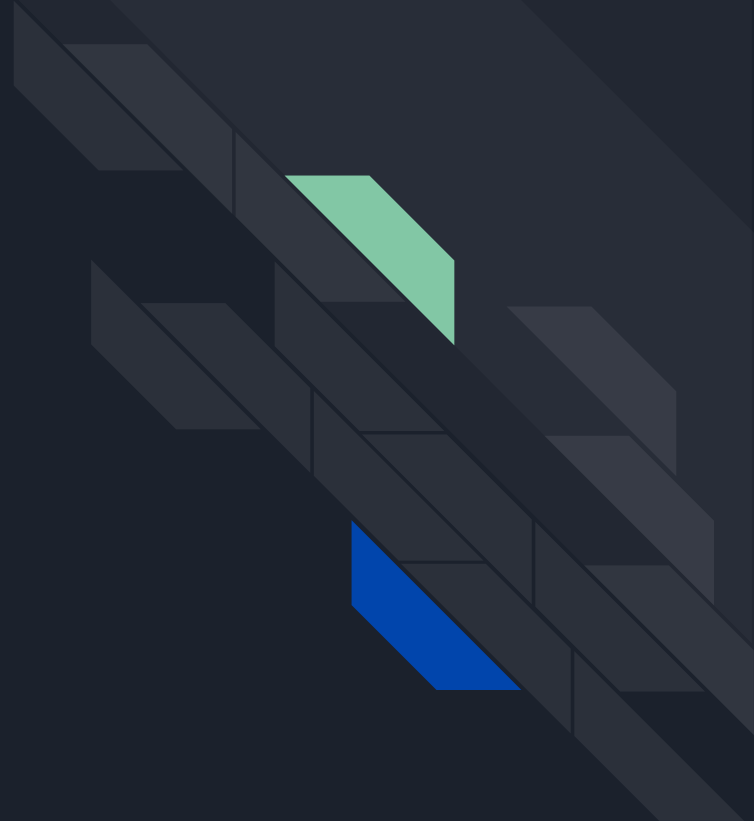
# OUR Stack

Tensorflow,Keras

opencv

Arduino , UV sensor

Django





# Overview

CORONtine automates the process of segregating possible Corona Virus (COVID19) suspects by scanning them for common COVID19 symptoms without direct human involvement.



# Understanding the problem

In tough times like this when the whole country is in lockdown state, there are many security personnels, junior resident doctors, police men are doing the job of quarantining probable corona virus suspects to save our country from this pandemic. But providing proper protective gears for such large number of people is difficult which leaves them with simple masks while scanning thousands of people daily, out of which some might be suffering from this horrible disease. This lack in complete protective gear make even them vulnerable to COVID19. CORONtine aims to solve this problem by scanning people for common traits for COVID19 and let authorised people quarnatine them without direct human involvement. This way probable victims of COVID19 can be segregated for making it easier for even the main senior doctors teams to identify patients of COVID19.



# CORONtine objective

- 1) Automatically place the patient in Scanning Zone using our Patient Positioning Module with Voice Assist
- 2) Scanning the patient for common COVID19 symptoms like Coughing, Difficulty in breathing, Drowsiness, Running Nose
- 3) Automatically determine whether or not the patient should be quarantined

# People we aim to help

At places like airports, railways station, etc where continuous scanning of people are taking place most of the ground zero teams don't have proper protection kit other than a mask. CORANtine aims to help them. They include

- 1) Teams of junior resident doctors
- 2) Security Personnels
- 3) On duty policemen
- 4) On duty staff

And our whole nation





# How CORONtine works

CORONtine works on the integrated hardware and software base

Firstly the UV sensors detect the person in front of the machine

If the person is not at a correct position , the script guides the person to the correct position

After this the scanning script begins to run

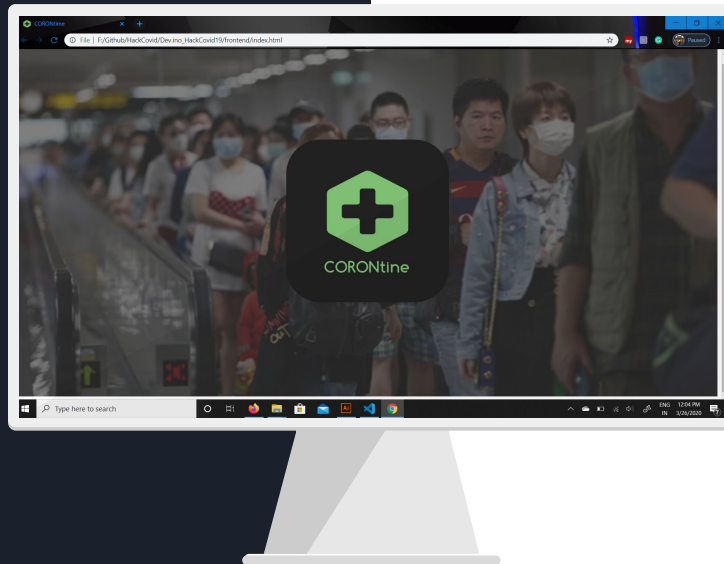
Here the person is scanned for 2 min to check for basic symptoms like cough,runny nose etc

If the person is detected to have these all symptoms , he/she is asked to get quarantined .

Thus the system is fully autonomous and does not require any manual setup



## CORONtine webportal







Thank you!