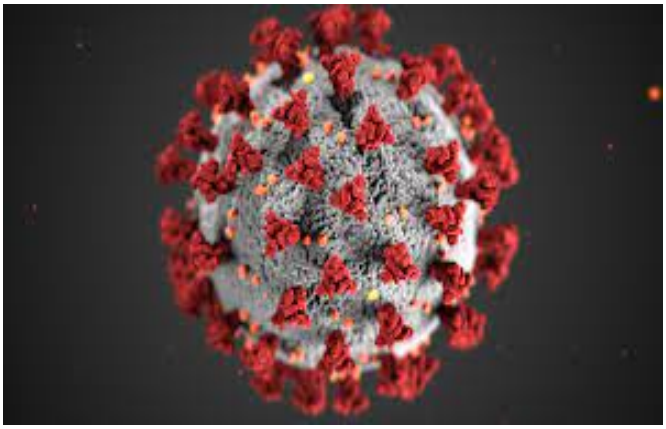
Visitor Counter

COVID-19 :

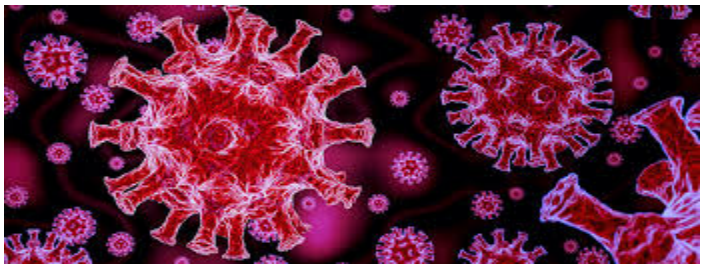
This year, a small virus is killing us easily and spreading very quickly, and it is a Coronavirus that is spread globally and has led to the death of large numbers of people. COVID-19 affects different people in different ways. Most people develop mild to moderate disease and recover without hospitalization.



Most common symptoms :

- Fever
- Dry cough
- Tiredness

COVID-19 is spread through respiratory droplets when an infected person coughs, sneezes, or speaks. People can also be infected by touching a contaminated surface and then their eyes, mouth, or nose. Therefore, we must maintain the distances between people and they must all diverge and that they

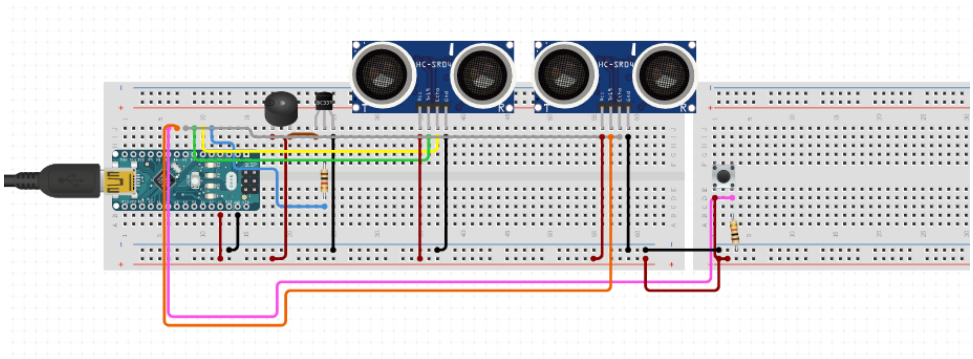


do not greet or touch or speak close to some and society helps a lot, as they have made many things that help in this separation between them and that there are not

many numbers in a narrow place within them made masks and electronic things for everything to Do not go near things and set up observers on people so that there is no crowded place or someone who does not wear a mask.

Our Main Idea Of Project :

So our project its goal is to help people in these circumstances from the absence of many people in one place, where each place must have a specific number that should not be exceeded so that there is no mixing of people and does not help the spread of the virus. And our project works to ensure that there are no more than 5 people in one room, it keeps track of the number of people in a room by increasing a counter when people enter and decreasing the counter when people leave. Once the number of people in an area surpasses the maximum number of people allowed is 5 persons, an alarm will go off until the number of people is within bounds again.



The Materials :

- ### Arduino Nano

The Arduino Nano is a small, complete, and breadboard-friendly board based on the ATmega328 (Arduino Nano 3. x). It has more or less the same functionality as the Arduino Duemilanove but in a different package. It lacks only a DC power jack and works with a Mini-B USB cable instead of a standard one.

- ### Buzzer

An Arduino buzzer is also called a piezo buzzer. It is basically a tiny speaker that you can connect directly to an Arduino. You can make it sound a tone at a frequency you set. The buzzer produces sound based on the reverse of the piezoelectric effect.

- ### Pushbutton

A push-button (also spelled pushbutton) or simply button is a simple switch mechanism to control some aspect of a machine or a process. Buttons are typically made out of hard material, usually plastic or metal.

- ### Ultrasonic sensor-HC-SR04

The HC-SR04 Ultrasonic Distance Sensor is a sensor used for detecting the distance to an object using sonar. It's ideal for any robotics projects you have which require you to avoid objects, by detecting how close they are you can steer away from them.

The Code :

https://drive.google.com/drive/folders/1YN7AmfV-U9pxuOLFynTFBJD96VDFIhBV?usp=sharing

The Project :