# SMART SELF PROTECTION

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OBJEVTIVE CONTENT

As we all know, we all have seen really tough time due to this ongoing pandemic. And face masks have been considered as a boon to prevent the disease. Different types of masks are available in the market for this purpose but with the help of science and technology we've created a "SMART FACE SHIELD MASK" which can identify the unusual movement of your hands(any object) nearby face mask. It will alert you during such movements and will keep you safe from this contagious disease.
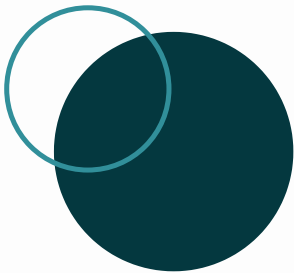
OVERVIEW-

- WHAT WE CREATED ": WE HAVE CREATED A SMART FACE SHIELD MASK WHICH CAN IDENTIFIED THE UNSUAL MOMENT OF YOUR/OTHER HAND NEAR BY FACEMASK.

- HOW IT WORKS": IN THIS PROJECT WE HAVE CREATED A SPECIFIC RANGE WHICH IS CALLED LAKSHAM REKHA. WHENEVER YOUR HAND CROSSES A LAKSHAM REKHA AN ALARM WILL RING AND TO ALERT YOU NOT TO TOUCH YOUR FACE. IF YOU DO SO, WE HAVE ALSO PUT A BACKUP THAT AN ALERT MESSAGE WILL GO ON YOUR MOBILE TO STEP SAFE TOWARDS YOU TO KEEP AWAY FROM CORONA VIRUS AND TELL YOU TO WASH YOUR HAND IMMEDITELY.
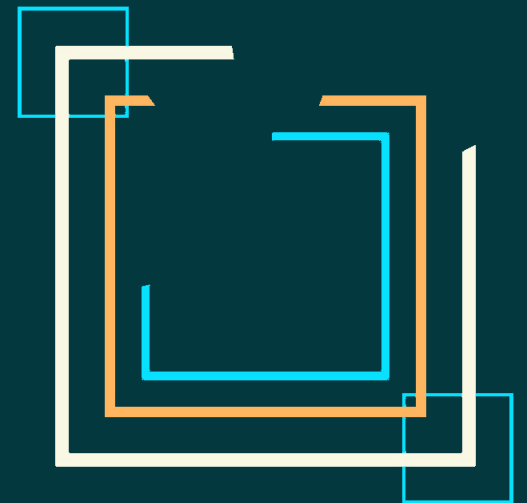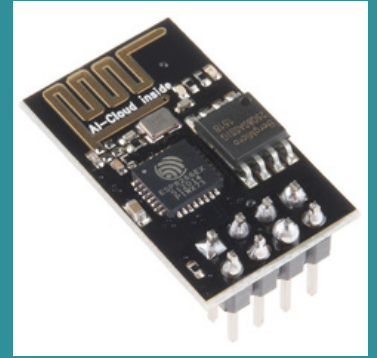
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HOW IT'S HELPFUL : YOU CAN SAFE AWAY FROM CORONA VIRUS. You can freely shake hands with your friends still can be safe from disease.
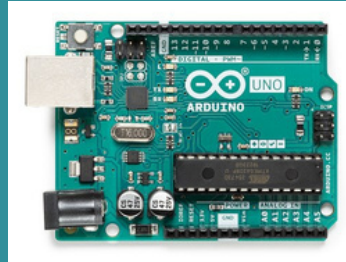
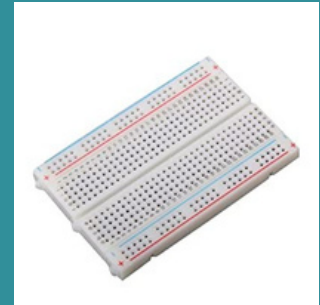Stay safe with our SMART SAFE PROTECTION FACE SHIELD

Components Used

- ESP 8266 BOLT WIFI MODULE

- ARDUINO

- BREAD BOARD

- BUZZER

- JUMPER WIRES

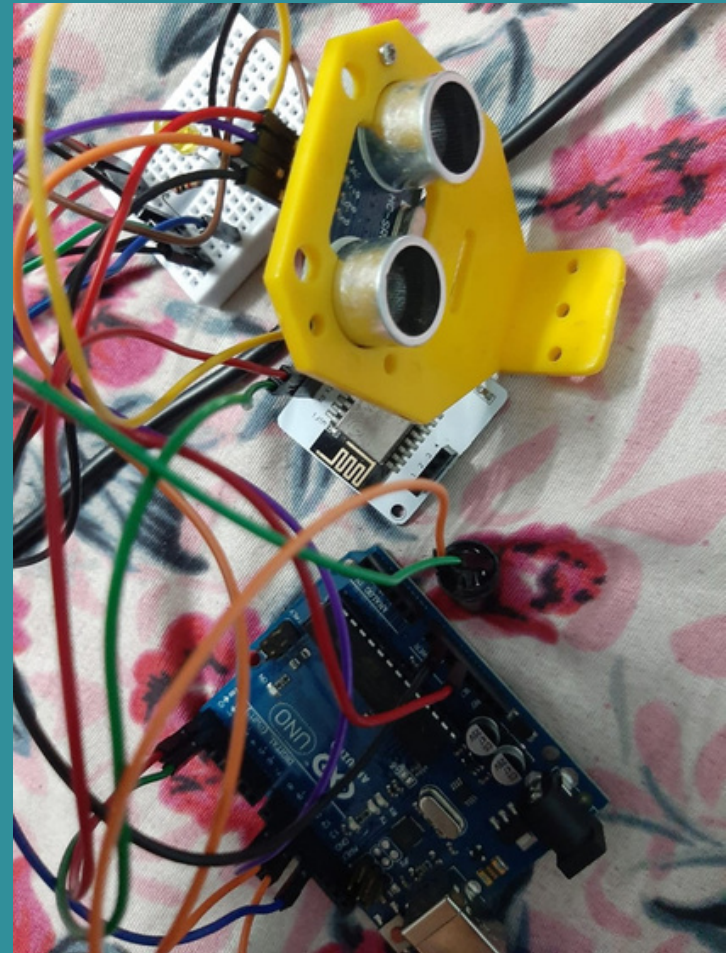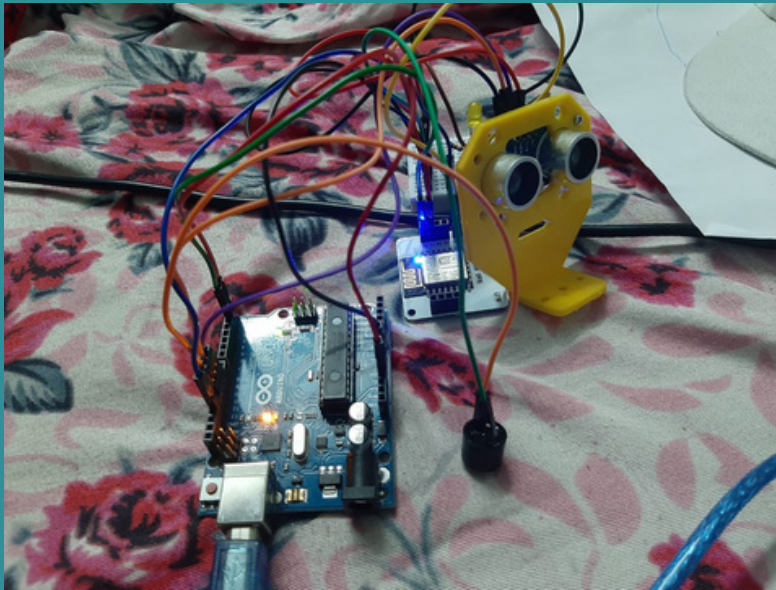- ULTRASONIC SENSOR

EXTRA COMPONENTS
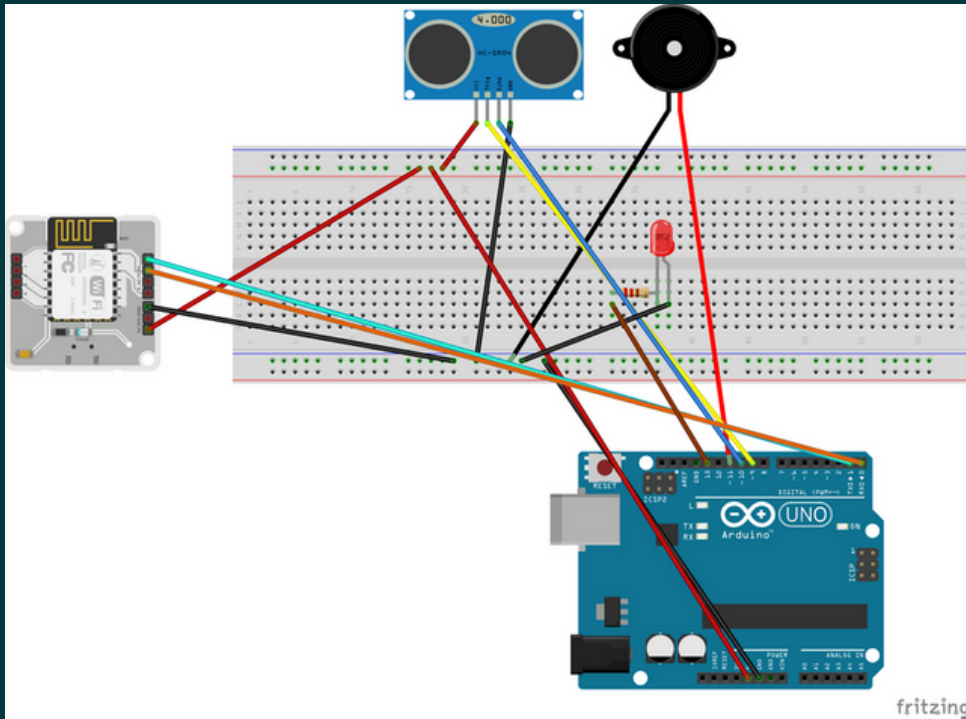
SCREWDRIVER

CAP

PIN

LED transistor

CONNECTIONS

SYSTEMATIC

DIAGRAM
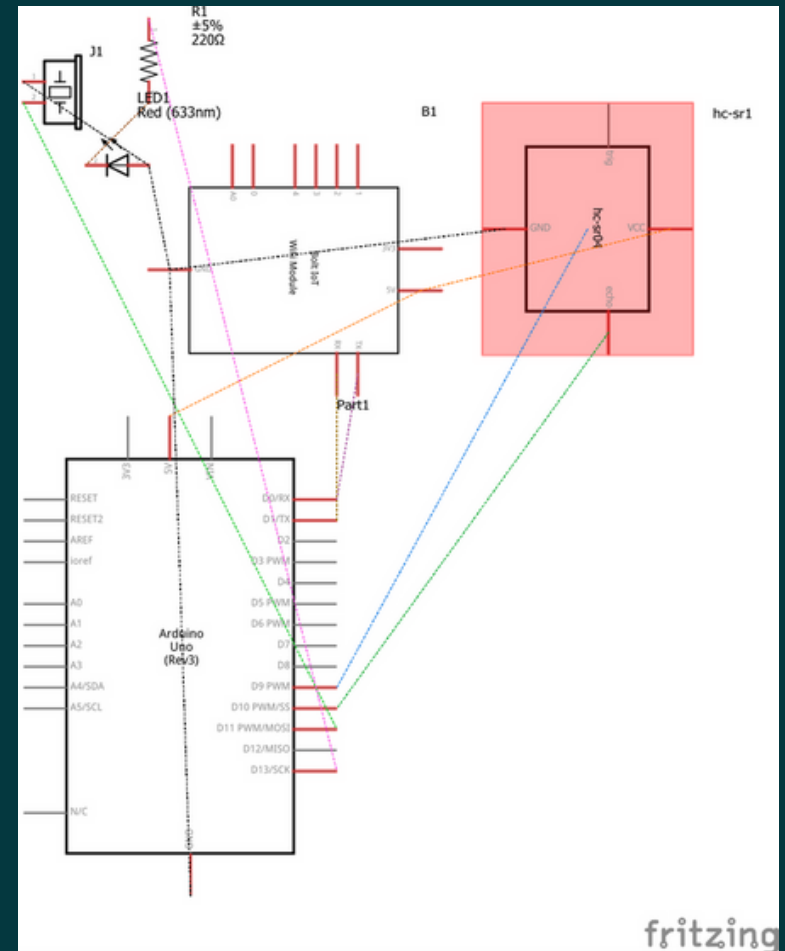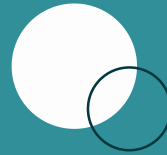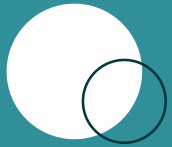
SOFTWARE USED
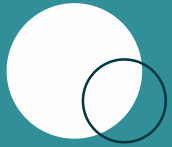
ARDUINO (IDE)

LINUX TERMINAL

PYTHON(IDE)

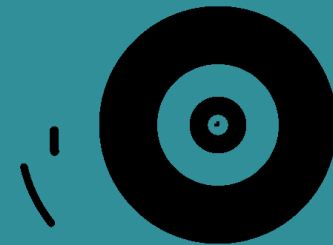TELEGRAM MESSAGE

EXTRA SOFTWARE

VIRTUAL

HOST

OPERATING

SYSTEM

FINAL RESULT

We experimented our project and it worked
well. We got the alert message during the unusual
activity near by our SMART SAFE PROTECTION FACE SHIELD.

Normal face shield ✖

OUR SMART SAFE
PROTECTION FACE SHIELD
✓

THANK YOU..