



**STARTUP
&
INNOVATION
COMPETITION
2022**

**THEME
MISCELLANEOUS**

**PROJECT TITLE
“ENTRY AND EXIT DEVICE”**

Group Member

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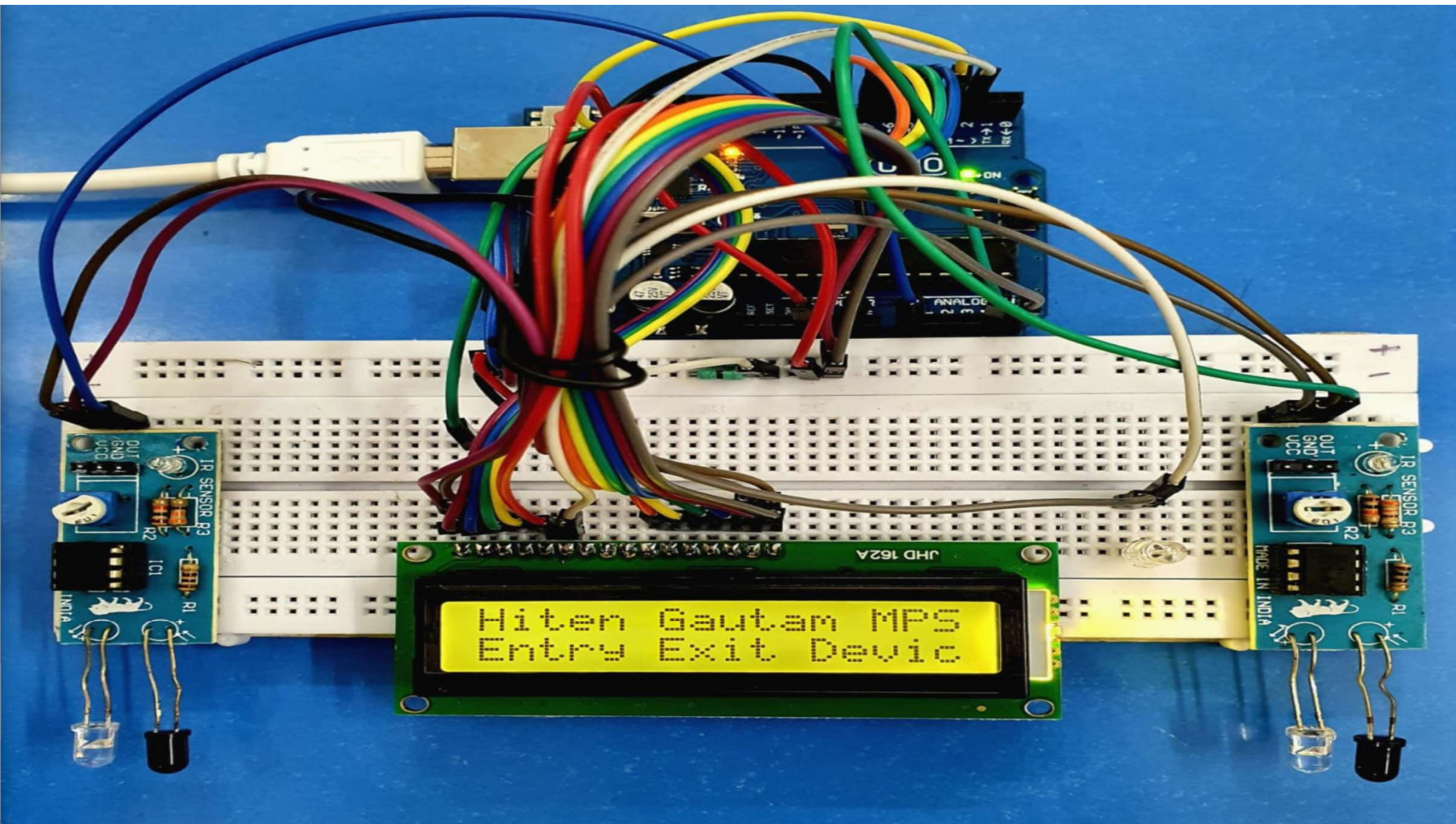
ABSTRACT

The purpose of my innovation was to design an entry-exit device to deal with the present situation of Covid 19 pandemic.

As social distancing norms are needed to be followed in public places but due to overcrowding it is not possible so I tried to make an entry exit device in this device.

I have used 16×2 display to display the number of people and other information Aderino Uno for coding IR sensor to sense the person, LED light for indication, breadboard for connections and other jumper wires to Complete my circuit.

My project work on 5V Dc to 24V Dc.



RESEARCH FOCUS:

In the present situation of covid-19 pandemic , my device will be very useful in public places as limited people are allowed to Enter and will help to maintain social distancing and my device will maintain the entry and exit of people and no overcrowding will be there ,it will lead to suppression in spreading of virus from Person to person.

Device will be helpful in maintaining Entry of limited people in public places.

APPROACH FOR ANALYSIS

To know proper working of my device, I Installed my device in my community. Due to this Device people started following social Distancing norms as well as the people Entered in the society and Exit record was Maintained and there was long lasting impact of this device on the peoples behaviour now people wait for their turn and maintain appropriate distance this happened due to my Entry and Exit Device.

PROPOSED SOLUTION

ENTRY- EXIT Device can be used to deal with present pandemic situation. As we know at a public place only limited number of people are allowed to follow covid protocol so we can feed that number in the device.

Device will restricts the entry of People in that area after the fixed number and **Red LED** will start glowing, till somebody exits from that premises the device will not allow anyone to Enter as soon as anyone leave the premises the **Red LED** will be OFF and Entry will be permitted.

After unlocking, I visited public places , I saw that very few people were following the social distancing norms and all were in hurry no one was following the social distancing norms so I wanted to give the message to the Nation that they wait for your turn and don't break the covid protocols.

So I made an Entry and Exit device ,it can limit the number of people gathering in public places.

During trying times when the government is focusing on social distancing norm this device is expected to come in handy and automate the entire process smoothly my device can be used in all the public places such as banks ,offices ,airport etc.



हितेन गौतम छात्र, मॉडर्न पब्लिक स्कूल, दिल्ली

**NEWS
FLASH**

मनसुख हत्याकांड में हुई है प्रदीप शर्मा की गिरफ्तारी

5 : 08 PM

DEMO OF ENTRY AND EXIT DEVICE

[Link For My Device](#)

<https://youtu.be/l1iXNKSmpl>

