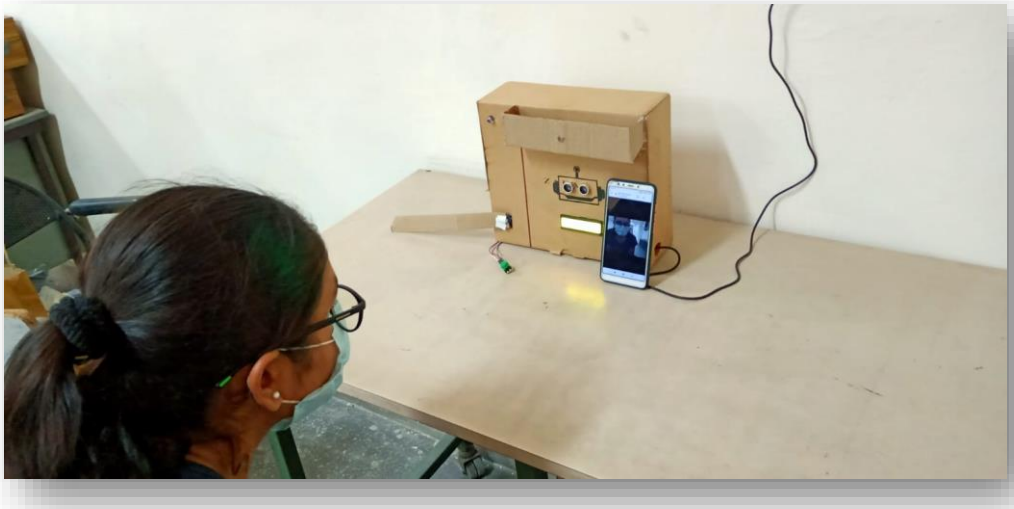
## FINAL OUTPUT IMAGES

The first step of the process is to provide power supply to the circuit through a 9V DC Adapter, the LCD switches on and has to be connected to WiFi to proceed further. It then displays the IP address.

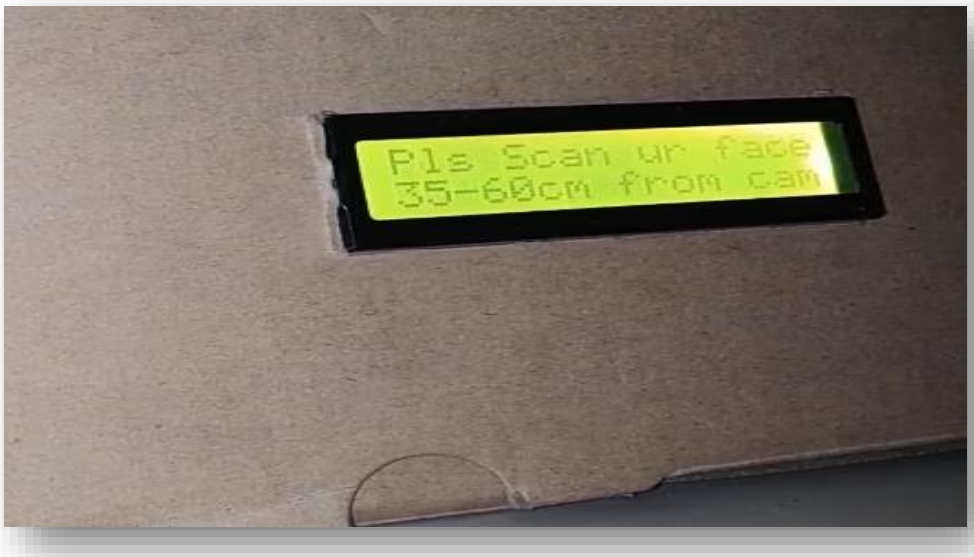

The IP address can be typed in any web browser on which live streaming can be seen.

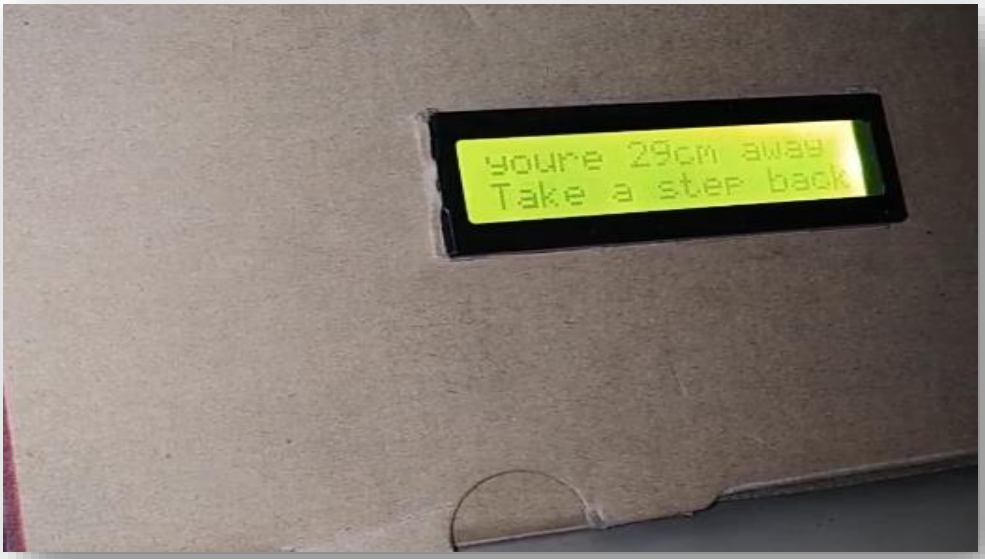


The LCD then displays a message to scan the temperature. The IR temperature sensor is deployed for this purpose.


The acceptable values for temperature are 35°C- 39°C. If the measured temperature is not in this range, it will show an error and the white LED glows and the scanning is complete with the barrier remaining closed. The process ends then and there.
If the temperature measured is within the permissible range, it will proceed to the next step.


**The next step is to detect the mask.**
Meanwhile it also checks the proximity of the person from the scanner. You have to maintain appropriate distance from the scanner. The subject should be standing between 35 cm and 60 cm. Otherwise, it displays a message to move accordingly.

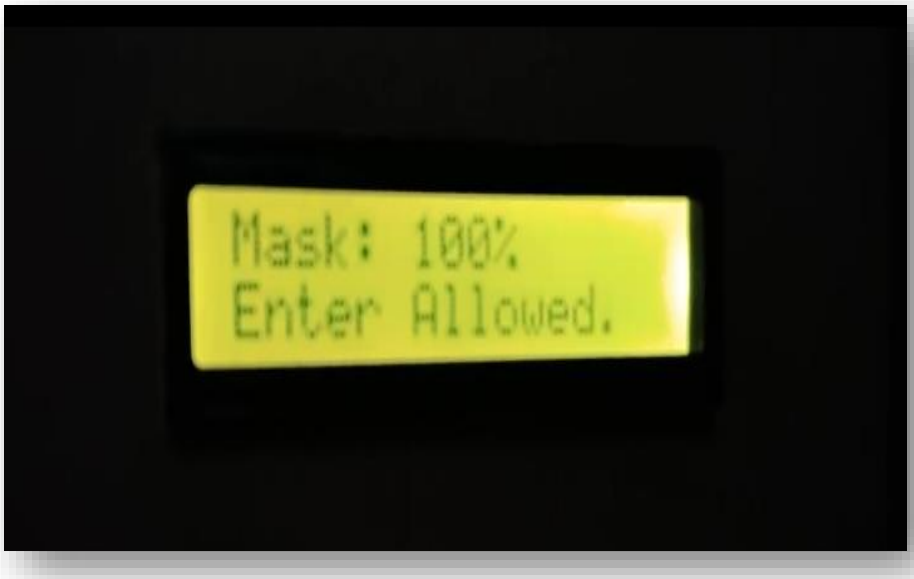





The threshold value for the mask is set to 80%. If the percentage of mask detected is less than the set value, it will simply show the percentage of mask along with an advisory to wear one.


White LED glows which indicate that the entry is barred and the scanning is complete.

If the percentage of mask detected is more than 80%, the green LED glows.




The human barrier opens automatically afterwards, allowing the entry.

In case of an emergency, we may require to open the door manually. For this purpose, we have a push button module which is accessible to the authorities only.