Project proposal
on

Microprocessors & Microcontrollers Laboratory (EEE 372)

Title - PUC Covid-19 Tracker.

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01 **Introduction**

02 Objectives

03 Methodology

04 Circuit Diagram

05 Flowchart

- Human Covid-19 detector using Arduino Uno R3.
- This piece of machinery is one part of a COVID-19 detector. This part although cannot detect if the person has COVID-19 but it can detect whether the person is ready to take the COVID test.
- It is a “Digital Non-Contact Infrared Thermometer” scanner that lets the authority know or the machine know about the condition of the person.
- It will ensure health security of the University.
- Now we shall begin.

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- To design and implement a machinery to measure temperature of all the students or many students at a time.
- To establish a machinery to save time.
- To record or monitor student's health condition.
- It is quite tough for the security to measure temperature of all the students or many students at a time with the temperature gun.
- It is time consuming.
- No facilities to record or monitor student's health condition.

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- The an Arduino Uno R3 based project.
- RFID sensor will collect the student's ID.
- Arduino will process and get the information of student's name and batch using the ID card.
- The Digital Non-Contact Infrared Thermometer (MLX90614) will take the temperature if those information are matched.
- Arduino will check if the temperature is alarming.
- If there is alarming sign, the door will not open and the security will receive a warning message.
- Else the gate will open.

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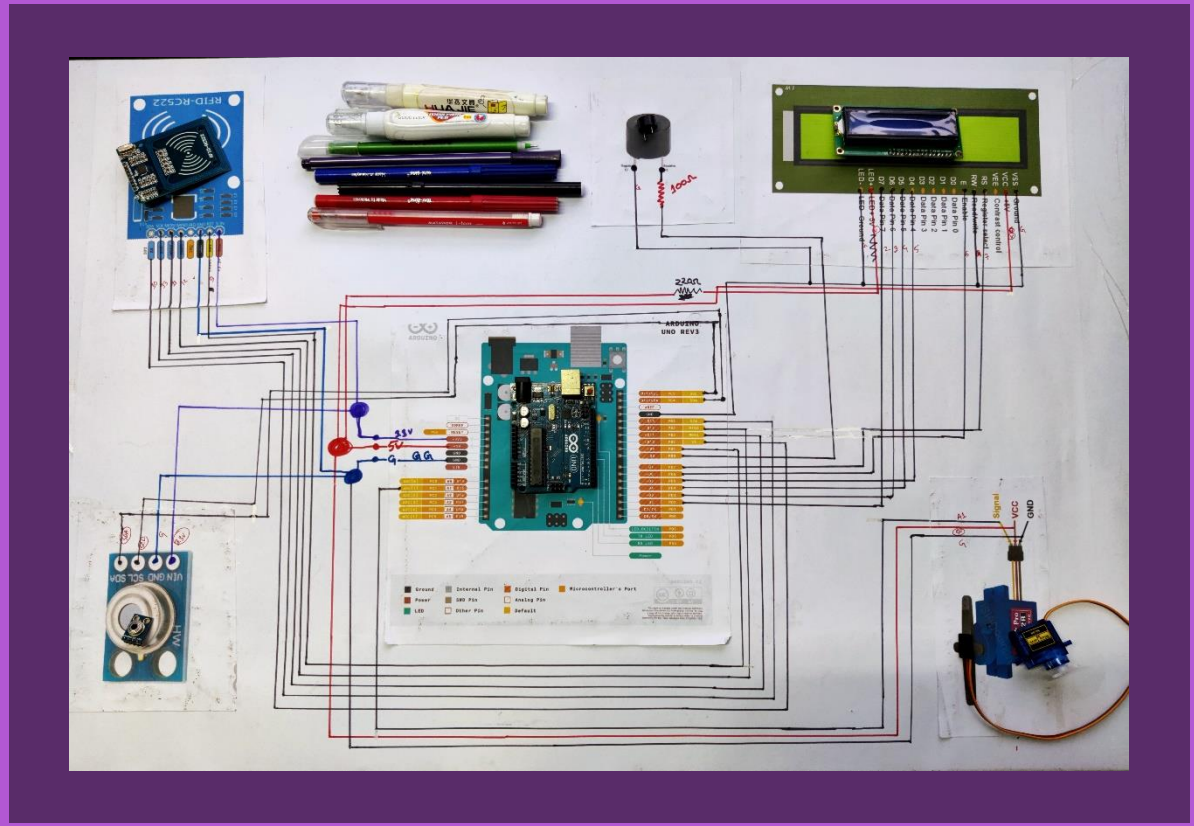

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02 Problem statement

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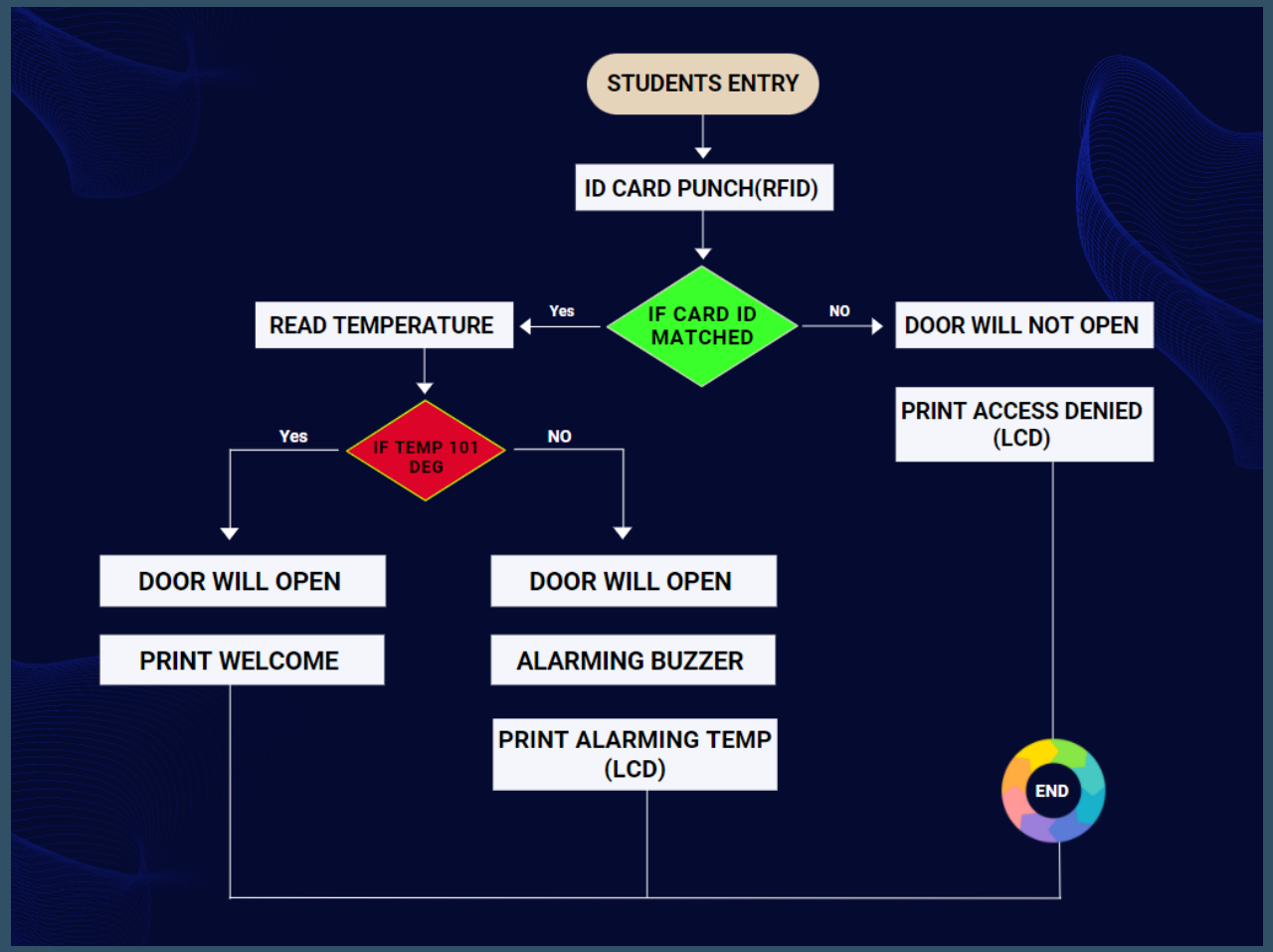
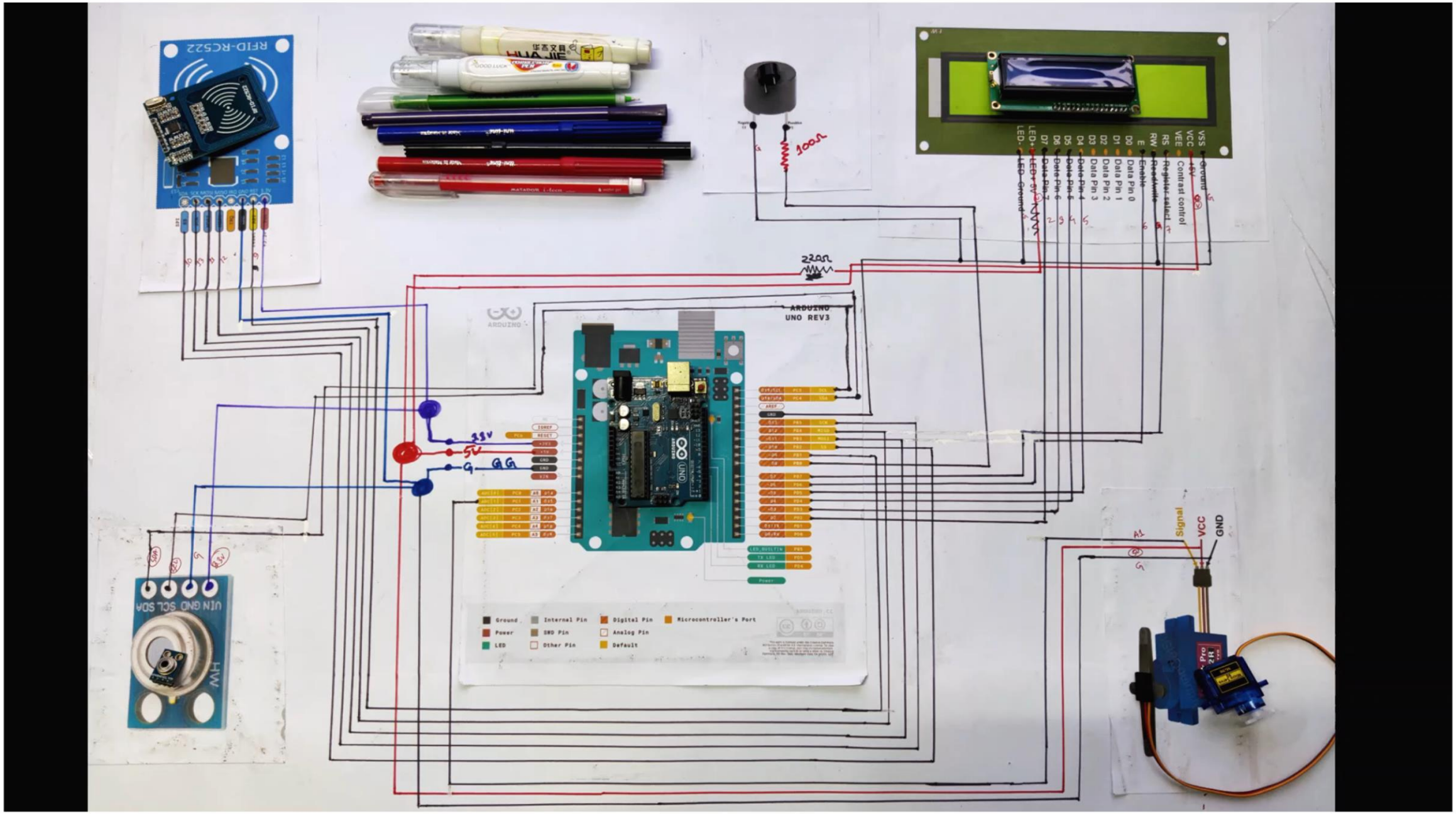


Thank you.

Any question?


RFID-RC522
ARDUINO
UNO REV3
100Ω
220Ω
3.3V
5V
GND
Signal
VCC
GND
Ground
Internal Pin
Digital Pin
Microcontroller's Port
Power
SMD Pin
Analog Pin
LED
Other Pin
Default