



# IBM Naalaiya Thiran

## Gas Leakage monitoring & Alerting system for Industries

### Assignment-1

TEAM ID : PNT2022TMID17620

#### TEAM MEMBERS

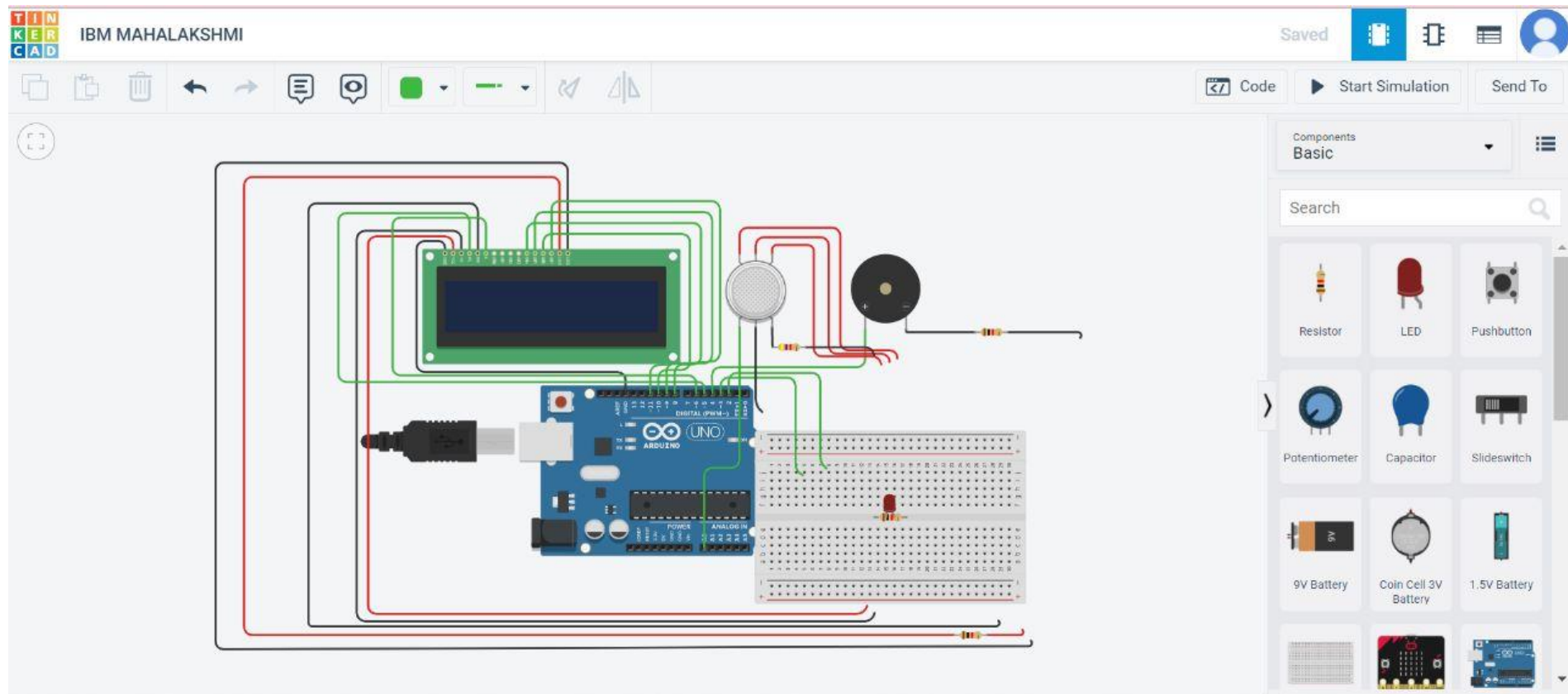
713319EC057 - MAHALAKSHMIB

713319EC041 - JERINE

713319EC013 - ASHWANTH KUMAR K S

713319EC039 - JANANTHR

# TINKERCAD CIRCUIT:



# CODE:

TINKER CAD IBM MAHALAKSHMI

Saved

Code Start Simulation Send To

Text 1 (Arduino Uno R3)

```
38 //gas concentration condition
39 if(analogValue>sensorThresh)
40 {
41   digitalWrite(redled,HIGH);
42   digitalWrite(greenled,LOW);
43   tone(buzzer,1000,10000);
44   lcd.clear();
45
46   //to print on LCD
47   lcd.setCursor(0,1);
48   lcd.print("ALERT");
49   delay(1000);
50   lcd.clear();
51   lcd.setCursor(0,1);
52   lcd.print("EVACUATE");
53   delay(1000);
54 }
55 else
56 {
57   digitalWrite(greenled,HIGH);
58   digitalWrite(redled,LOW);
59   noTone(buzzer);
60   lcd.clear();
61   lcd.setCursor(0,1);
62   lcd.print("ALL CLEAR");
63   delay(1000);
64 }
65 }
66
```

Serial Monitor

# TINKERCAD LINK:

- ▶ <https://www.tinkercad.com/things/jfo12mn6lYq-lpg-gas-leakage-detector/editel?sharecode=HaMnhmmxMOZxbb3kNTPzLNhT3HRzTZP-d-c373wClsc>