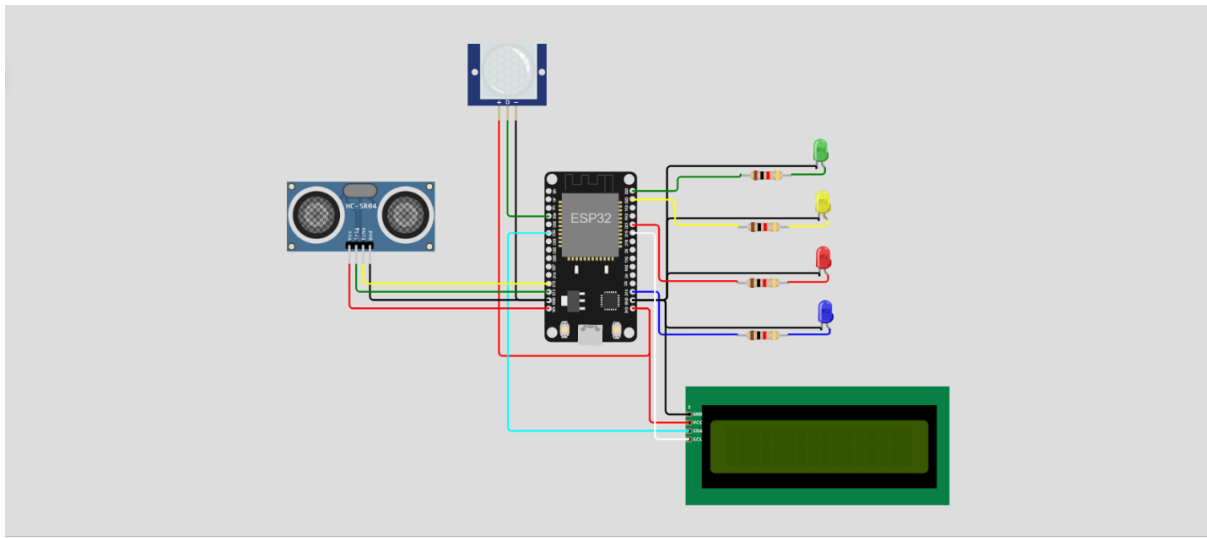


PROJECT DEVELOPMENT PHASE

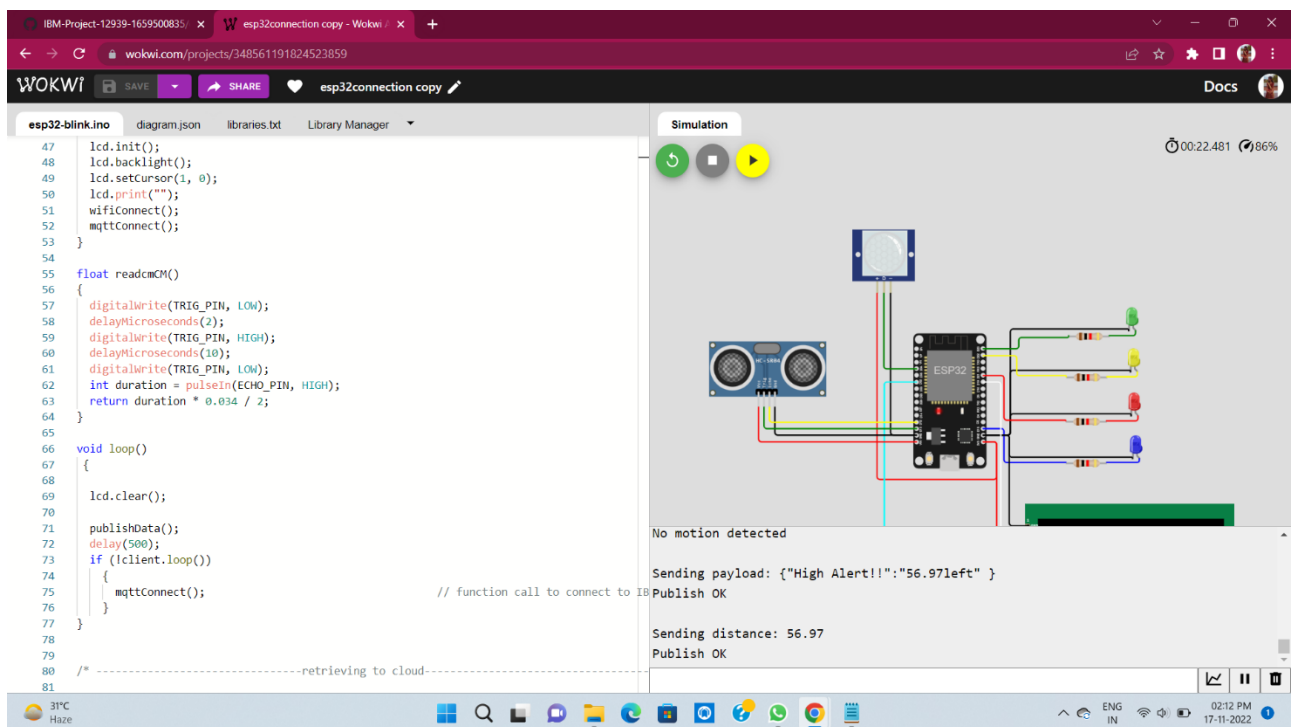
SPRINT-1

Team ID	PNT2022TMID33244
Project name	Project- Smart waste management system for metropolitan cities

Circuit Diagram:



Simulation with output:



```
47  lcd.init();
48  lcd.backlight();
49  lcd.setCursor(1, 0);
50  lcd.print("");
51  wifiConnect();
52  mqttConnect();
53  }
54
55  float readcmCM()
56  {
57    digitalWrite(TRIG_PIN, LOW);
58    delayMicroseconds(2);
59    digitalWrite(TRIG_PIN, HIGH);
60    delayMicroseconds(10);
61    digitalWrite(TRIG_PIN, LOW);
62    int duration = pulseIn(ECHO_PIN, HIGH);
63    return duration * 0.034 / 2;
64  }
65
66  void loop()
67  {
68    lcd.clear();
69
70    publishData();
71    delay(500);
72    if (!client.loop())
73    {
74      mqttConnect();
75    }
76  }
77
78
79  /* -----retrieving to cloud-----
80
81
```

Simulation

00:22.481 86%

No motion detected

Sending payload: {"High Alert!!": "56.97left" }
Publish OK

Sending distance: 56.97
Publish OK

Simulation connected to IBM Watson :

