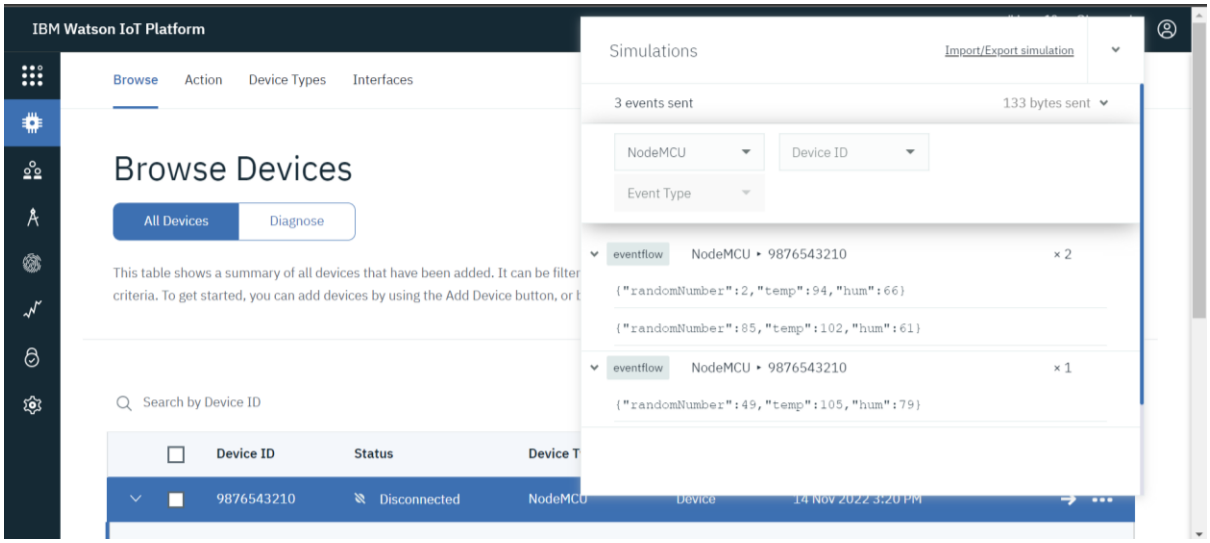
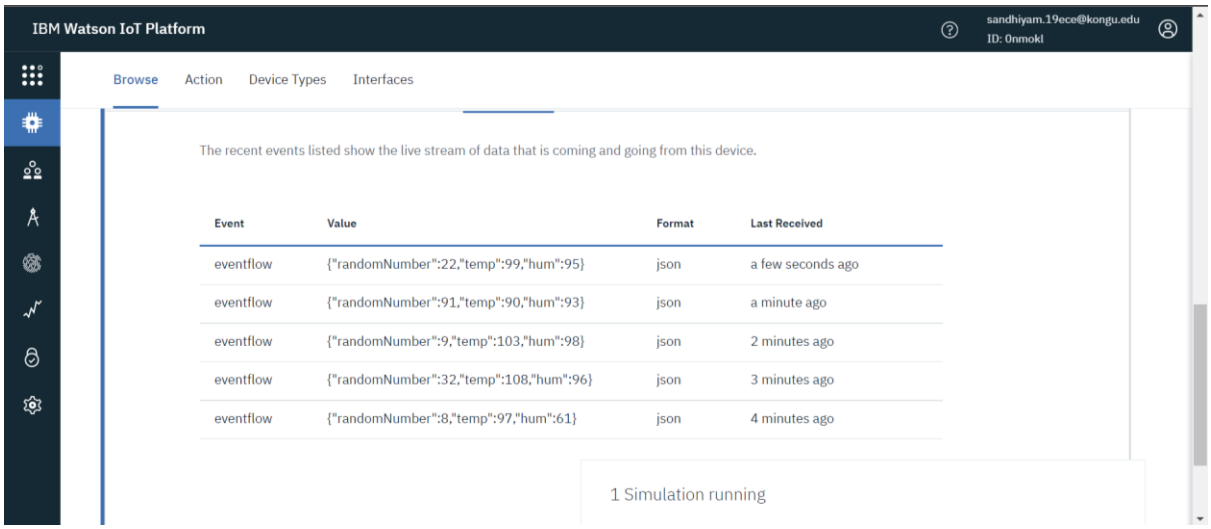
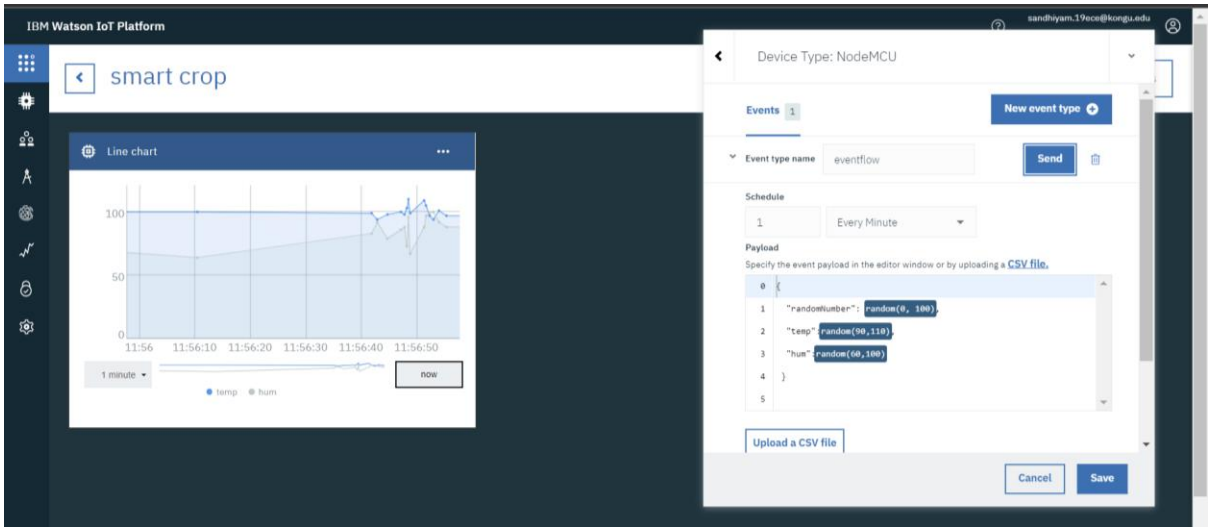
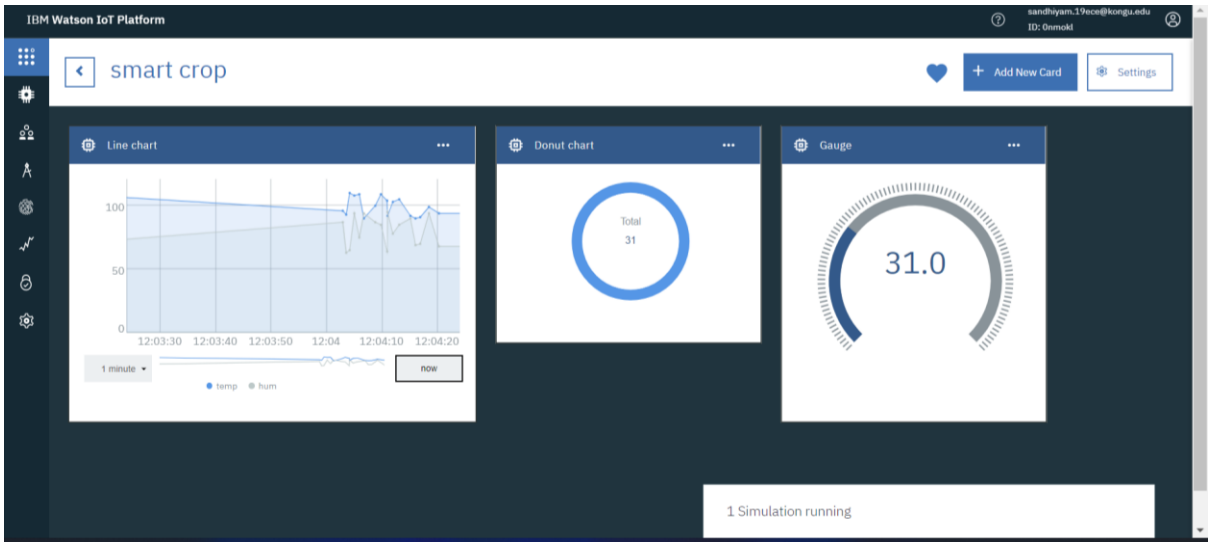
SPRINT 1

DATE	**14 November 2022**
TEAM ID	**PNT2022TMID04713**
PROJECT NAME	**IOT BASED SMART CROP PROTECTION FOR AGRICULTURE**
MAXIMUM MARK	**20 MARKS**






IBM Watson IoT Platform
sandhiyam.19ece@kongu.edu
smart crop
Line chart
100
50
0
11:56
11:56:10
11:56:20
11:56:30
11:56:40
11:56:50
1 minute
now
temp
hum
Device Type: NodeMCU
Events 1
New event type
Event type name
eventflow
Send
Schedule
1
Every Minute
Payload
Specify the event payload in the editor window or by uploading a CSV file.
{
"randomNumber": random(0, 100),
"temp": random(90,110),
"hum": random(60,100)
}
Upload a CSV file
Cancel
Save


IBM Watson IoT Platform
sandhiyam.19ece@kongu.edu
ID: 0nmokl
smart crop
Add New Card
Settings
Line chart
100
50
0
12:03:30
12:03:40
12:03:50
12:04
12:04:10
12:04:20
1 minute
now
temp
hum
Donut chart
Total
31
Gauge
31.0
1 Simulation running

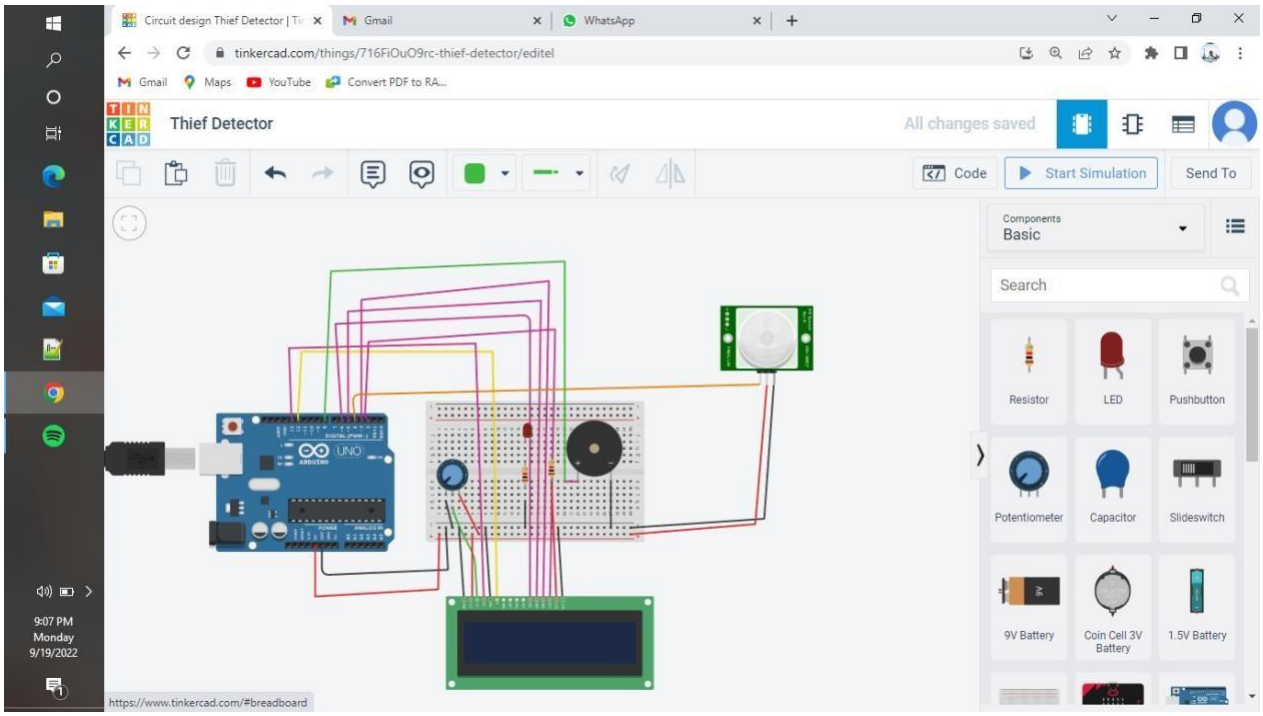
PROGRAM:

```
#include LiquidCrystal lcd(13,12,6,5,3,2);int led=7;
 int PIR=4;
 int   buzzer=8;
int    PIRstatus;
void setup()
 {
 lcd.begin(16,2);
 pinMode(led, OUTPUT);
 pinMode(buzzer, OUTPUT);
 pinMode(PIR, INPUT);
 lcd.clear();
 }
void loop()
{
  PIRstatus=digitalRead(PIR); if
  (PIRstatus==HIGH)
{
 lcd.clear();
 }
void loop()
{
  PIRstatus=digitalRead(PIR); if
  (PIRstatus==HIGH)
{
 lcd.clear(); digitalWrite(led,
HIGH); digitalWrite(buzzer,
HIGH); digitalWrite(buzzer,
HIGH); tone(buzzer, 300,
10000);
lcd.setCursor(0,1);
lcd.print("ALERT");



delay(7000);
  lcd.clear();
  }
 else
  {
lcd.setCursor(0, 0);
 lcd.print("SAFE");
 digitalWrite(led, LOW);
 digitalWrite(buzzer, LOW);
}
 delay(1000);
}
```

Output:



PURPOSE:

Through the sensor and a connection to the Arduino, this will be utilized to detect animals or any other thing. Any animal or object will cause them to start alarming, and the LED will turn on.