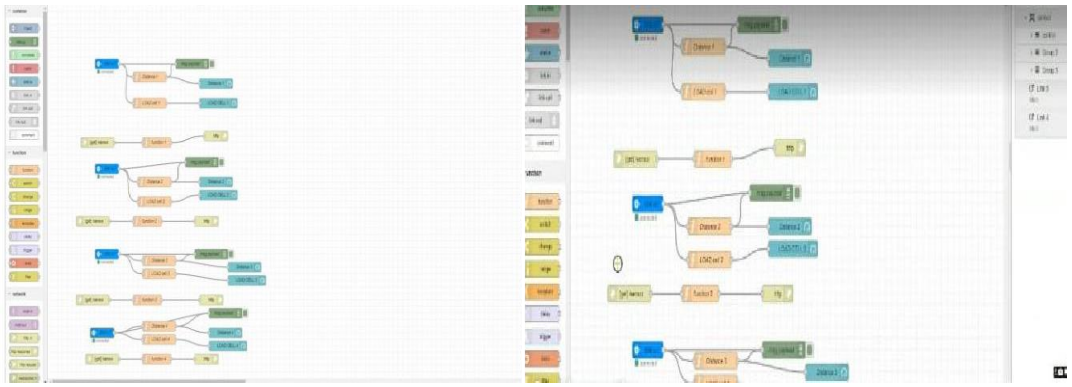
Delivery of Sprint-3

Node Red Connection to IBMCloudant

DATE	10 November 2022
TEAM ID	PNT2022TMID44233
PROJECT NAME	PROJECT-SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

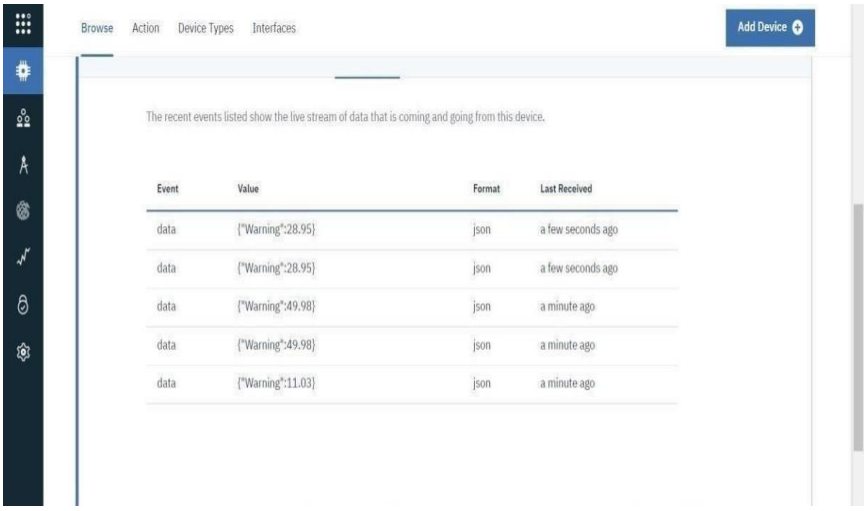
1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-REDdashboard.



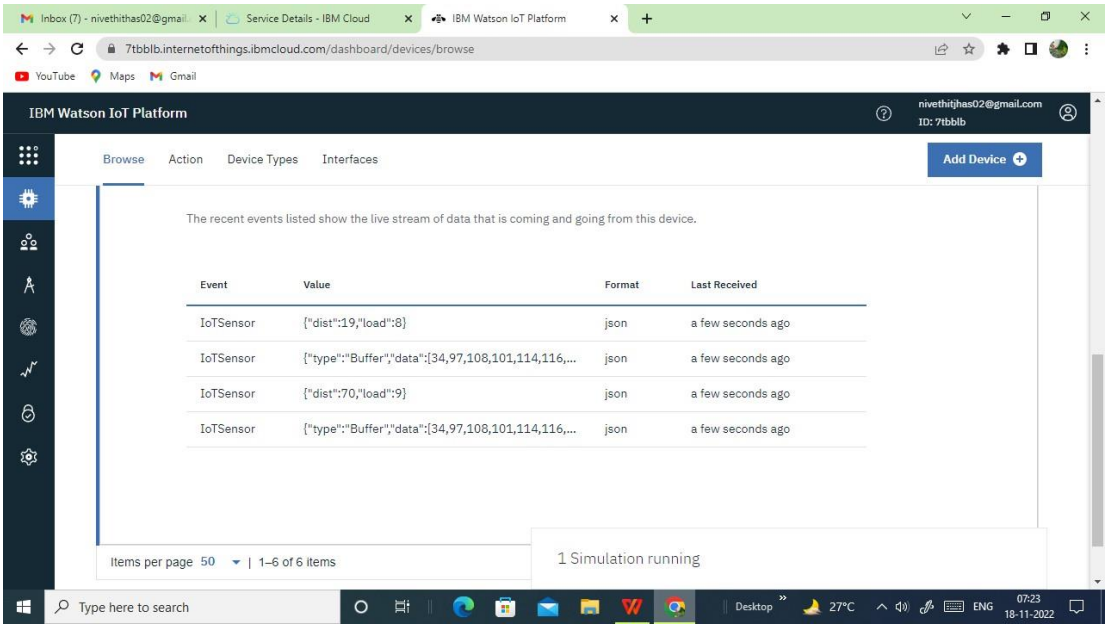
2.Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and thento Node Red dashboard.

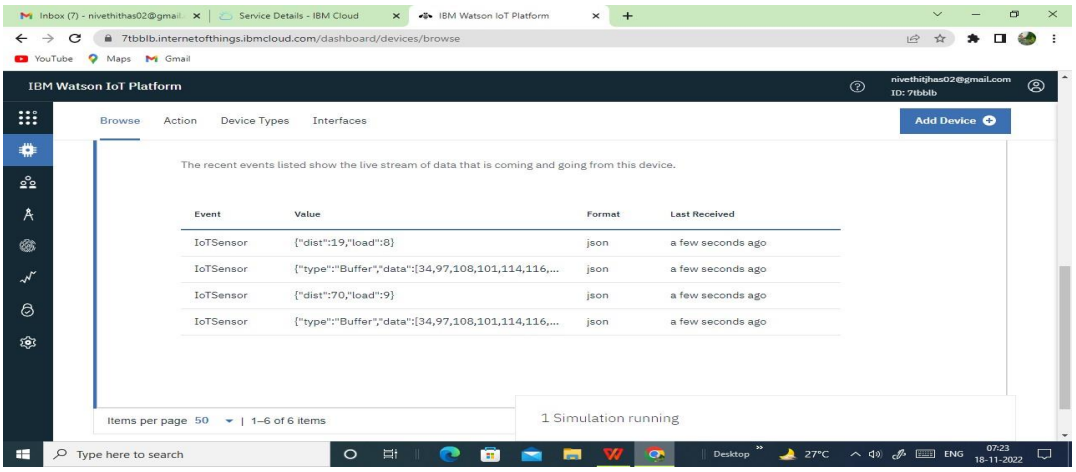
```
  if(cm <= 25)
 {
 digitalWrite(21,HIGH);
 String payload = "{\"High_Alert\":";
 payload += cm;
 payload += " }";
 Serial.print("\n");
 Serial.print("Sending payload: ");
 Serial.println(payload);

 if (client.publish(publishTopic, (char*) payload.c_str()))        // if
 {
 Serial.println("Publish OK");
 }
 }
 if(cm <= 50)
 {
 digitalWrite(22,HIGH);
 String payload = "{\"Warning\":";
 payload += cm ;
 payload += " }";
 Serial.print("\n");
```

3.Data transfer from IBM Watson IOT platform and wokwi to Node red.

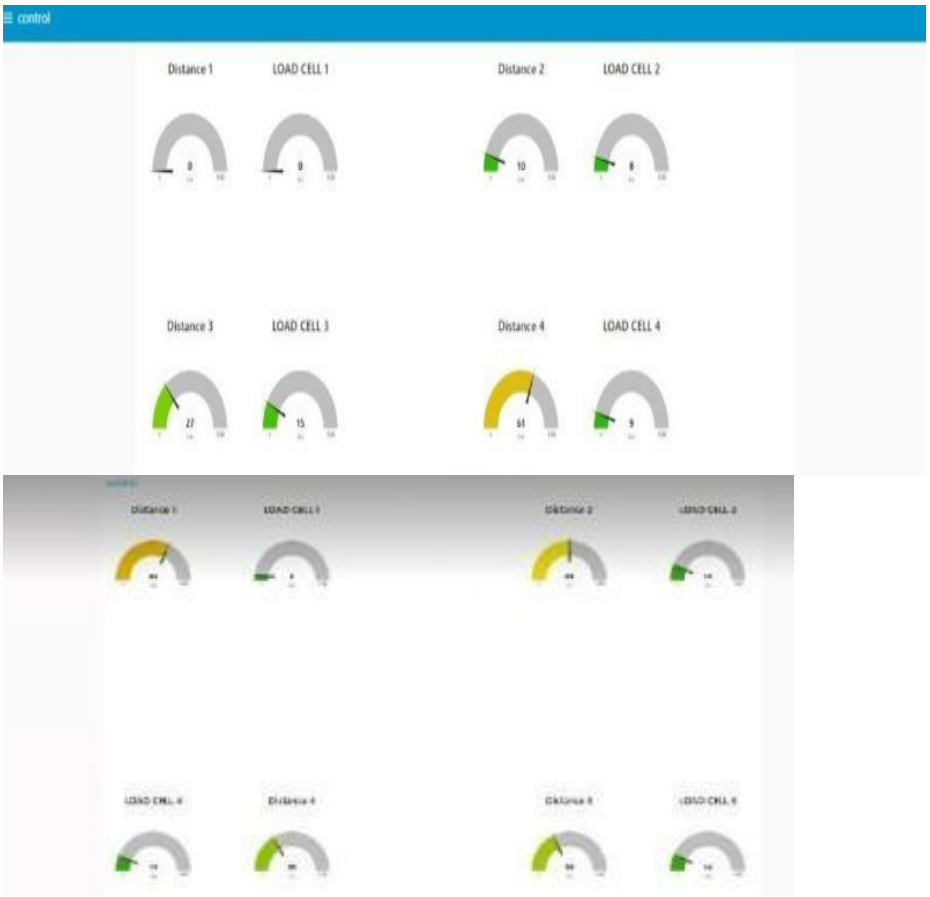


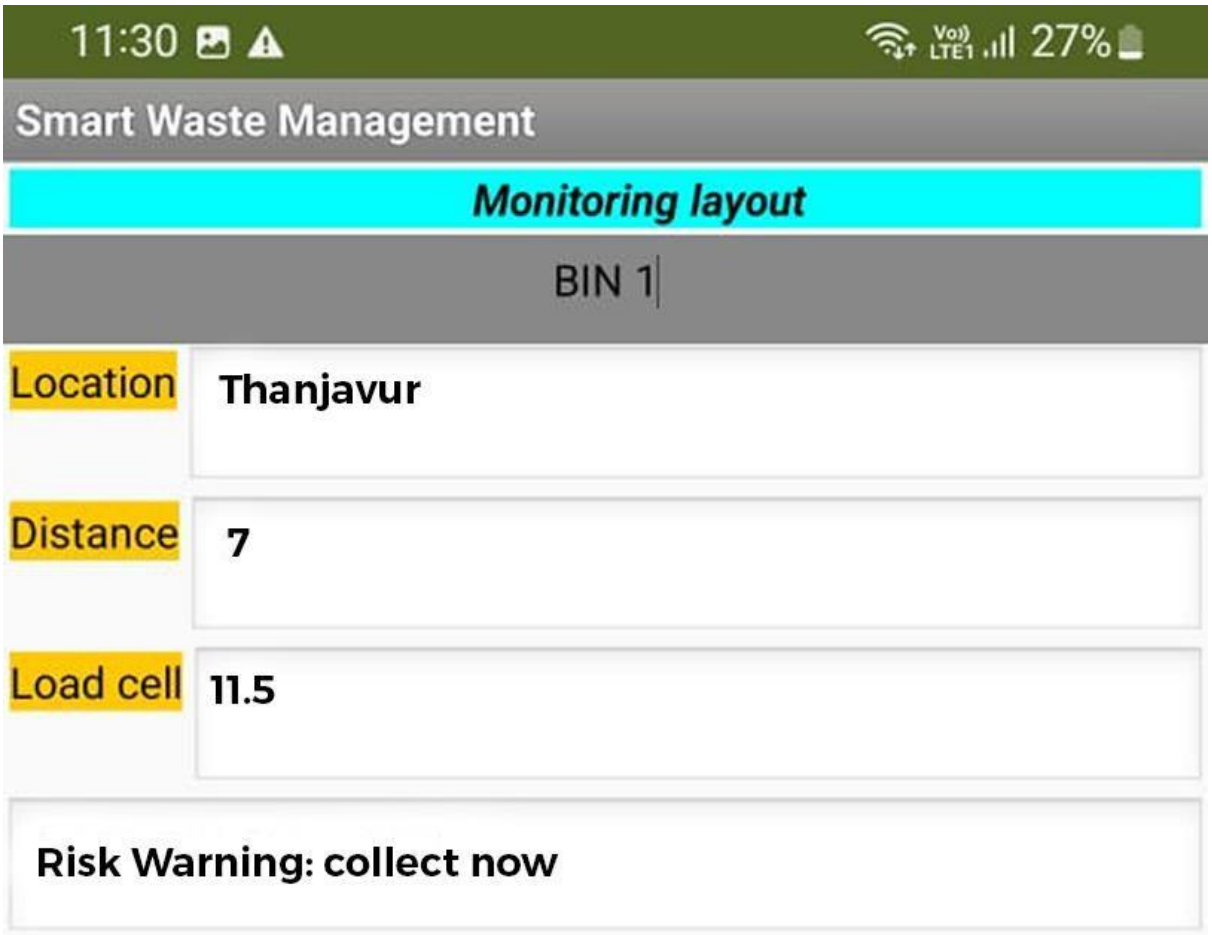
4.Data transfer from IBM Watson IOT platform to python script





5. Web application




11:30
27%
Smart Waste Management
Monitoring layout
BIN 1
Location
Thanjavur
Distance
7
Load cell
11.5
Risk Warning: collect now