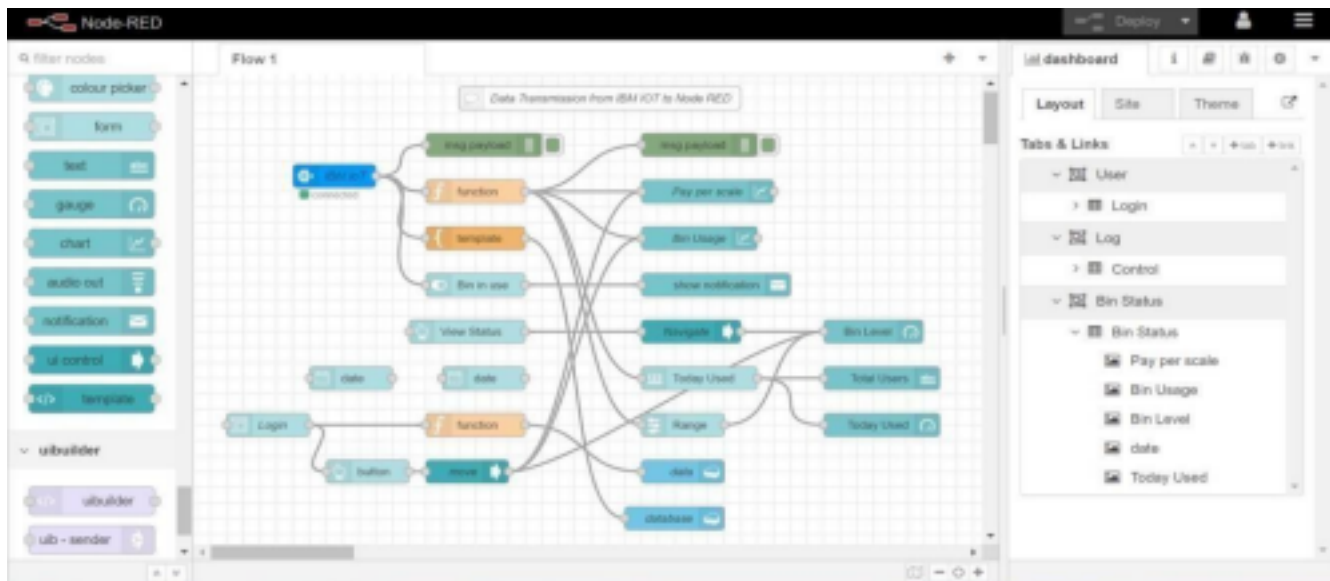


Delivery of Sprint – 3

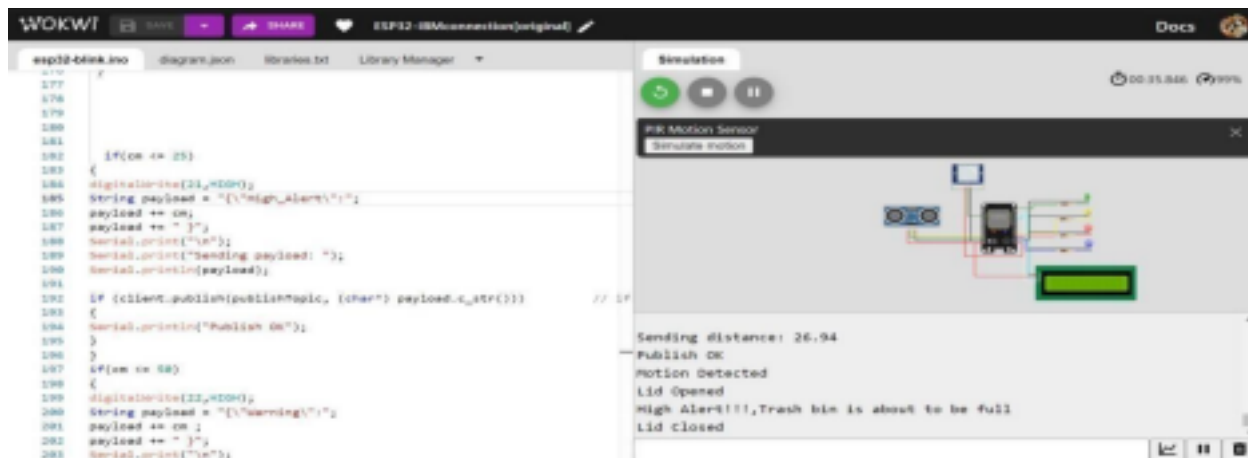
Node Red Connection to IBM Cloufant

Date	09 November 2022
Team ID	PNT2022TMID05191
Project name	Smart Waste management in metropolitan cities

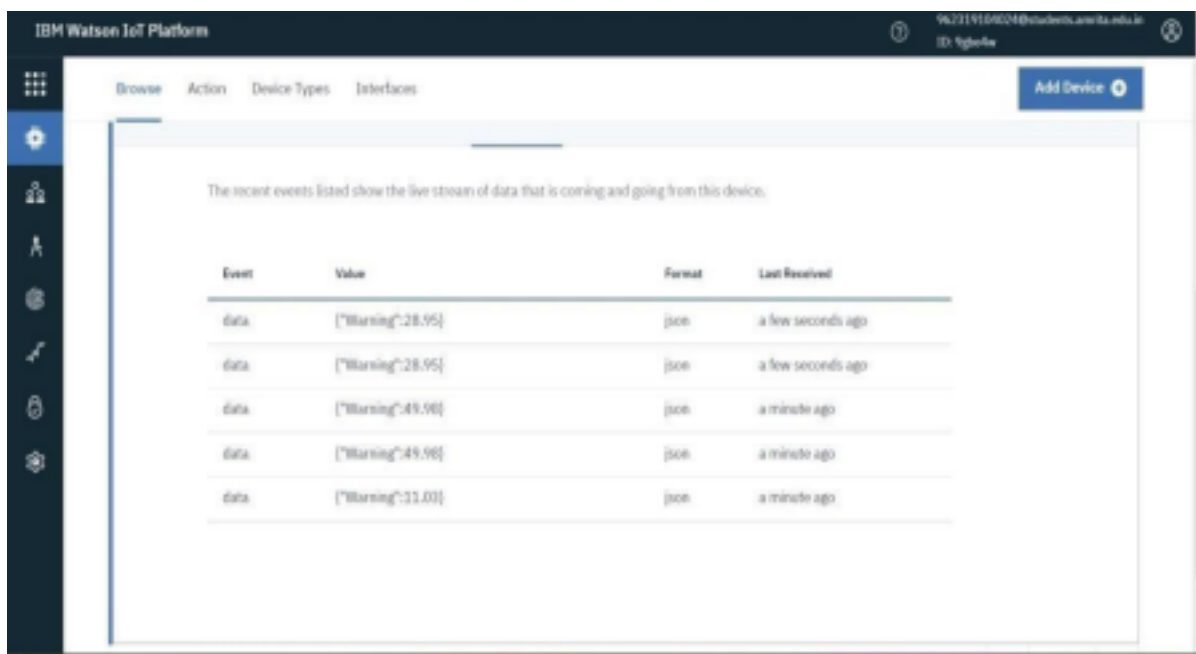
1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node RED dashboard.



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



Data transfer to Watson IOT platform.



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



1. Storing database in IBM cloudant DB.

The screenshot shows the IBM Cloudant Databases interface. The table lists the following databases:

Name	Size	# of Docs	Partitioned	Actions
login_credentials	53.7 KB	555	No	[Icons for actions]
moderedu@dy20221105	37.4 KB	4	No	[Icons for actions]
sample	59.4 KB	351	No	[Icons for actions]
sensor_data	55.7 KB	90	No	[Icons for actions]

Showing 1-4 of 4 databases. Databases per page: 20

Data is stored in JSON format

The screenshot shows the ThingsBoard interface with a message titled "sensor_data" and ID "0198213c192cb2c244cc2433f1802b91". The message content is a JSON object:

```
{
  "_id": "0198213c192cb2c244cc2433f1802b91",
  "_rev": "1-cda20817c1d994df4b7f7f38c495f80",
  "topic": "lwt-2/type/Sensor/Id/18project/lwt/data/fet/json",
  "payload": {
    "warning": "244.571cft"
  },
  "deviceId": "18project",
  "deviceType": "Sensor",
  "eventType": "data",
  "format": "json"
}
```