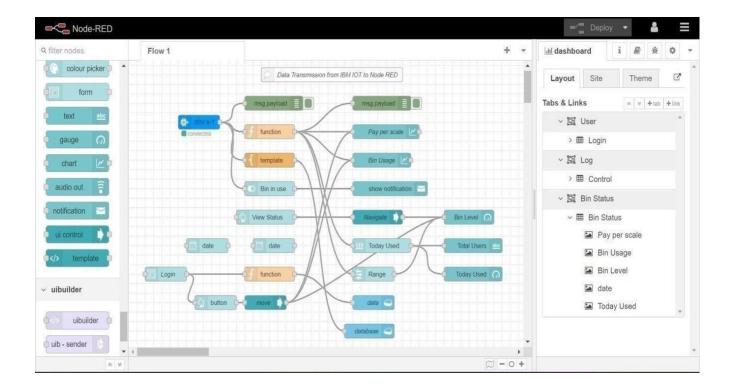
## Sprint – 4

Team ID	PNT2022TMID22821
Project Name	Smart Waste Management for Metropolitan Cities

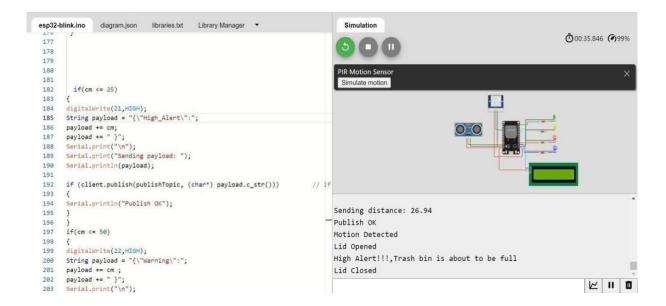
1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to Node-RED dashboard.

■ Node-RED Flow 1 dashboard i B ¢ colour picker Data Transmission from IBM IOT to Node RED Layout Site Tabs & Links ∨ ဩ User > III Login ✓ 図 Log > III Control audio out → I Bin Status → III Bin Status Pay per scale Bin Usage ■ Bin Level ■ date v uibuilder Today Used uibuilder uib - sender

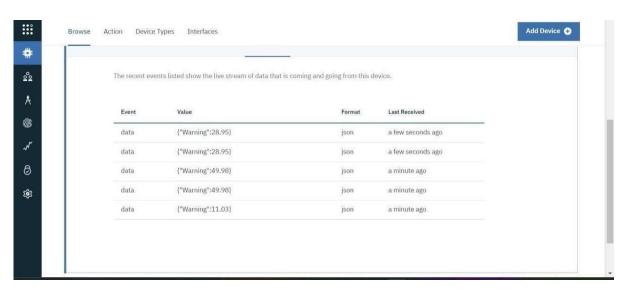
77



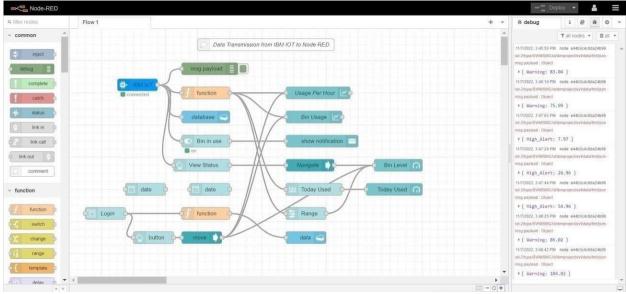
2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.



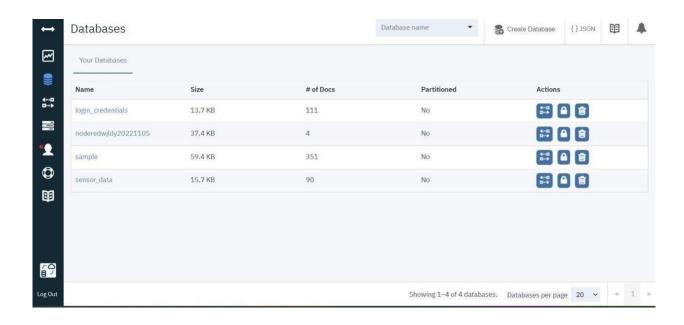
3. Data transfer to Watson IOT platform.

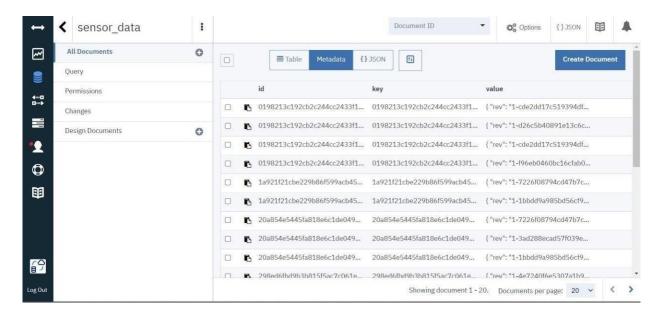


4. Data transfer from IBM Watson IOT platform and wokwi to Node red.



5 . Storing database in IBM cloudant DB.





6. Data is stored in JSON format

```
sensor_data > 0198213c192cb2c244cc2433f1802b91
                                                                                                                       {}JSON
~

    ✓ Save Changes

                                                                                                 "_id": "0198213c192cb2c244cc2433f1802b91",
4...0
            "_rev": "1-cde2dd17c519394dfeb774730c495f8b",
            "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
              "Warning!!": "244.97left"
            "deviceId": "ibmproject",
            "deviceType": "SWMSMC",
0
            "eventType": "data",
       10
       11
            "format": "json"
m
6
```

## 7. Web UI

