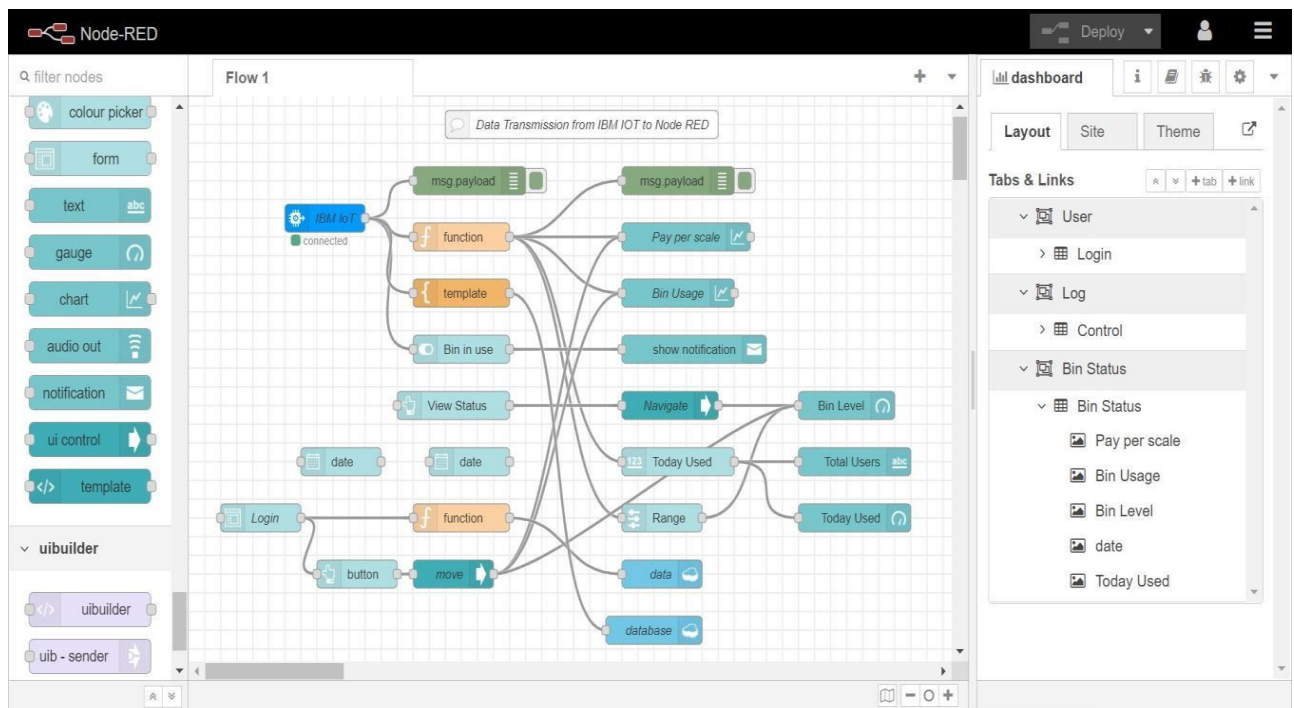


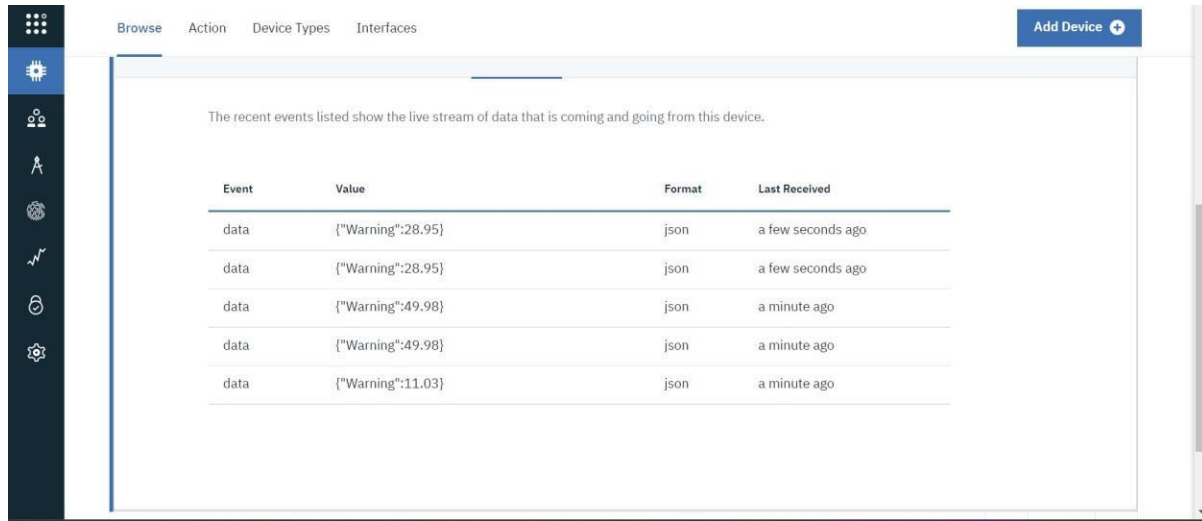
Web UI Design and Deploy

Date	10 November 2022
Team ID	PNT2022TMID28837
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.



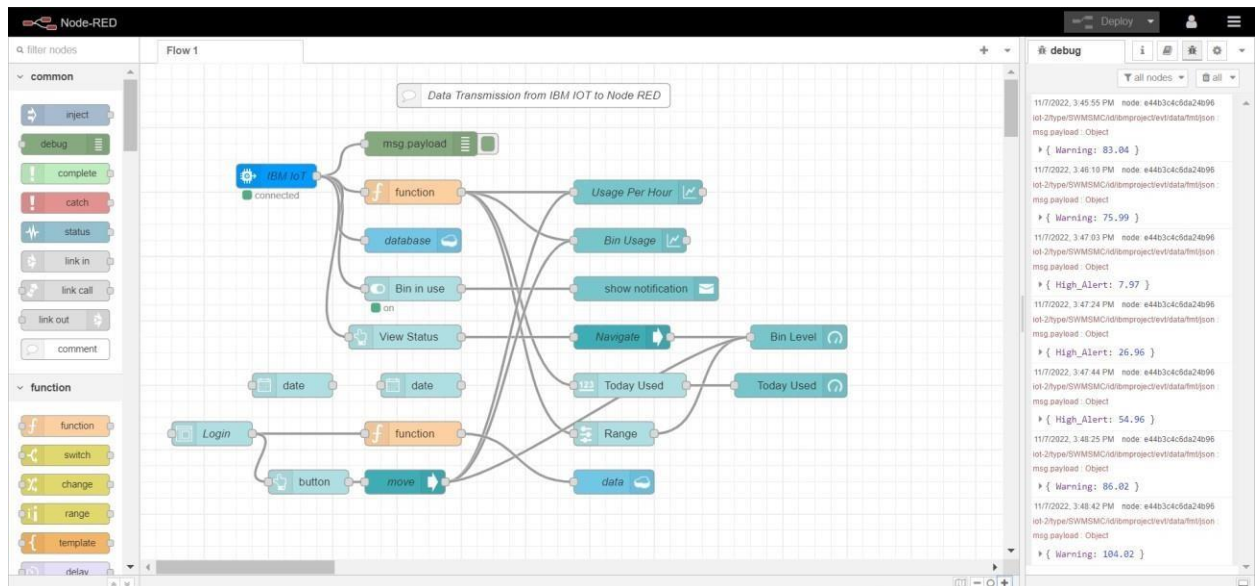
3. Data transfer to Watson IOT platform.



The screenshot shows the IBM Watson IoT Platform interface. At the top, there are tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A 'Add Device' button is in the top right. Below the tabs, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this is a table with the following data:

Event	Value	Format	Last Received
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":28.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago

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



5 . Storing database in IBM cloudant DB.

↔

sensor_data > 0198213c192cb2c244cc2433f1802b91

{ } JSON

📖

🔔

✓ Save Changes

Cancel

⬆️ Upload Attachment

🔄 Clone Document

🗑️ Delete

1- {

2 "_id": "0198213c192cb2c244cc2433f1802b91",

3 "_rev": "1-cde2dd17c519394dfeb774730c495f8b",

4 "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",

5 "payload": {

6 | "Warning!!": "244.97left"

7 },

8 "deviceId": "ibmproject",

9 "deviceType": "SWMSMC",

10 "eventType": "data",

11 "format": "json"

12 }

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Log Out

7. Web UI

≡ Log

Log

Bin Status

Control

Bin in use 🔴

Range ●

Today Used ▼ 0 ▲

date 📅 06/11/2022 ▼

📊 VIEW STATUS

Control

Bin in use



Range



Today Used



0



date



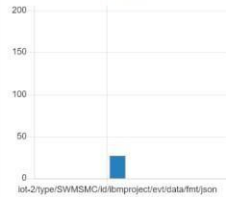
06/11/2022



VIEW STATUS

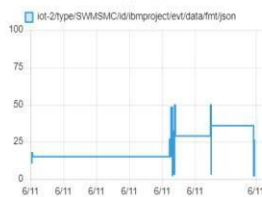
Bin Status

Bin Level



lot-2?type=SWMSMC&id=lbproject&evl/data&fmt=json

Today Used



lot-2?type=SWMSMC&id=lbproject&evl/data&fmt=json

Bin Level



date 06/11/2022

Today Used

