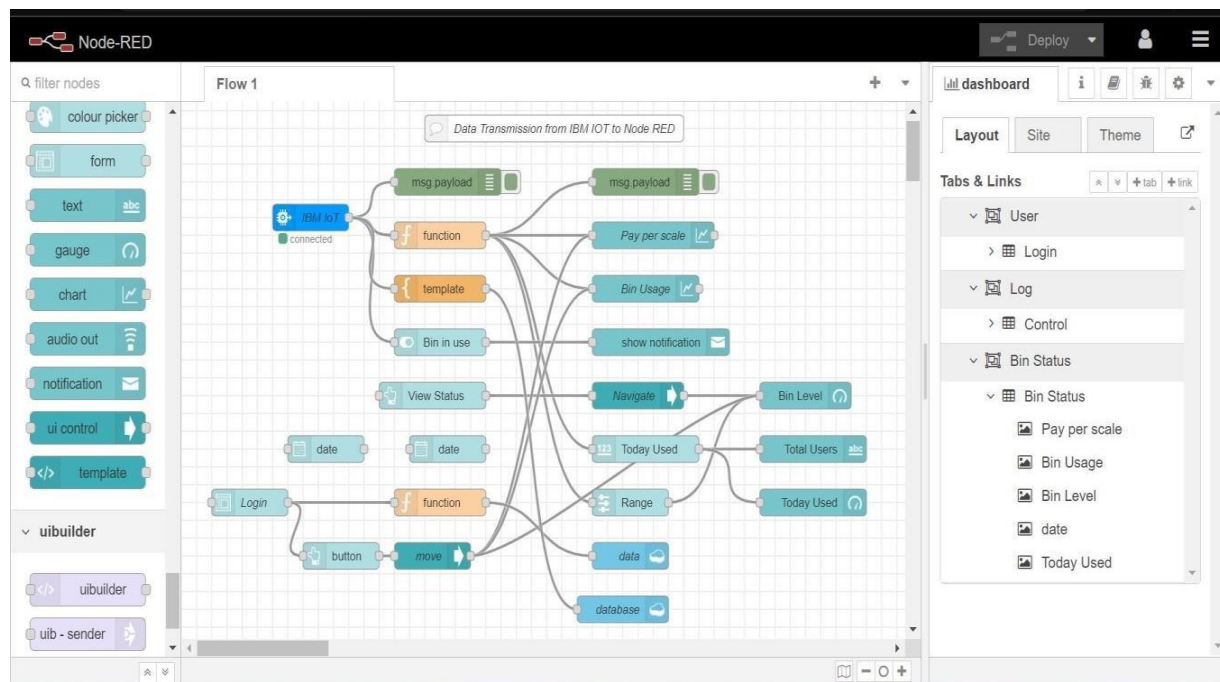


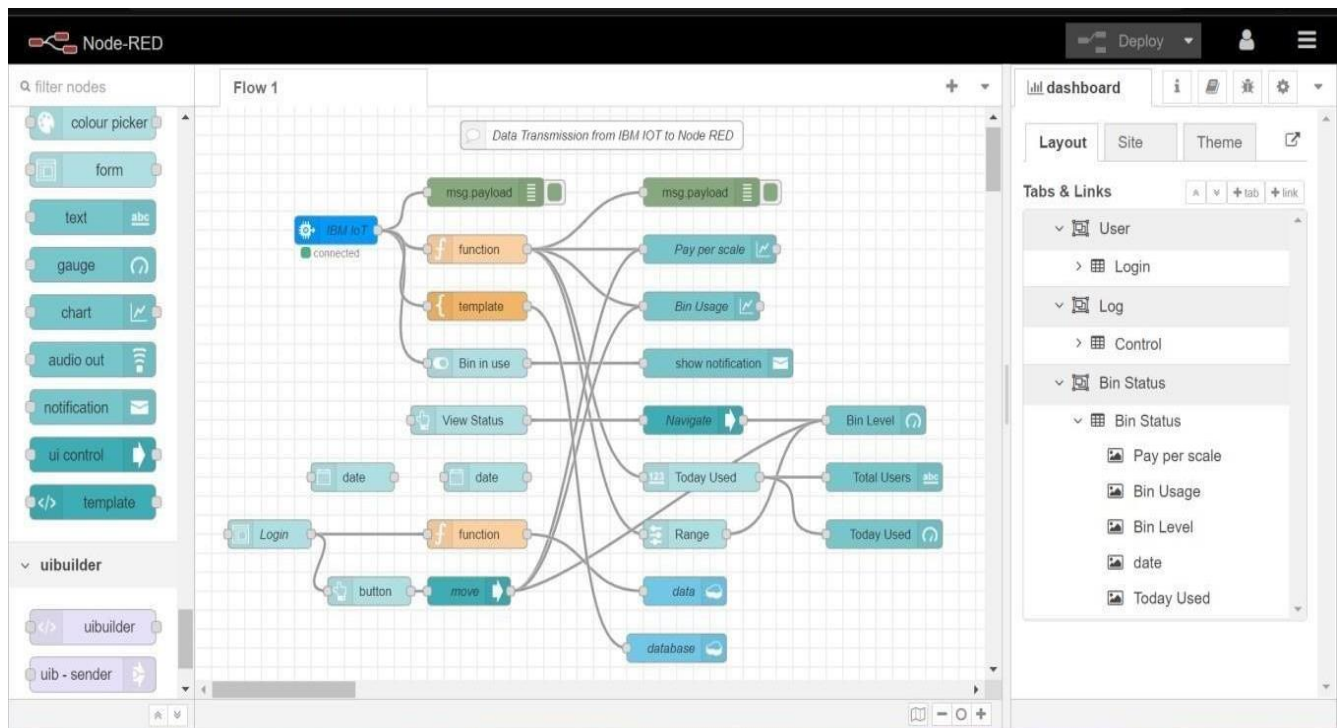
## Delivery of Sprint – 4

### Web UI Design and Deploy

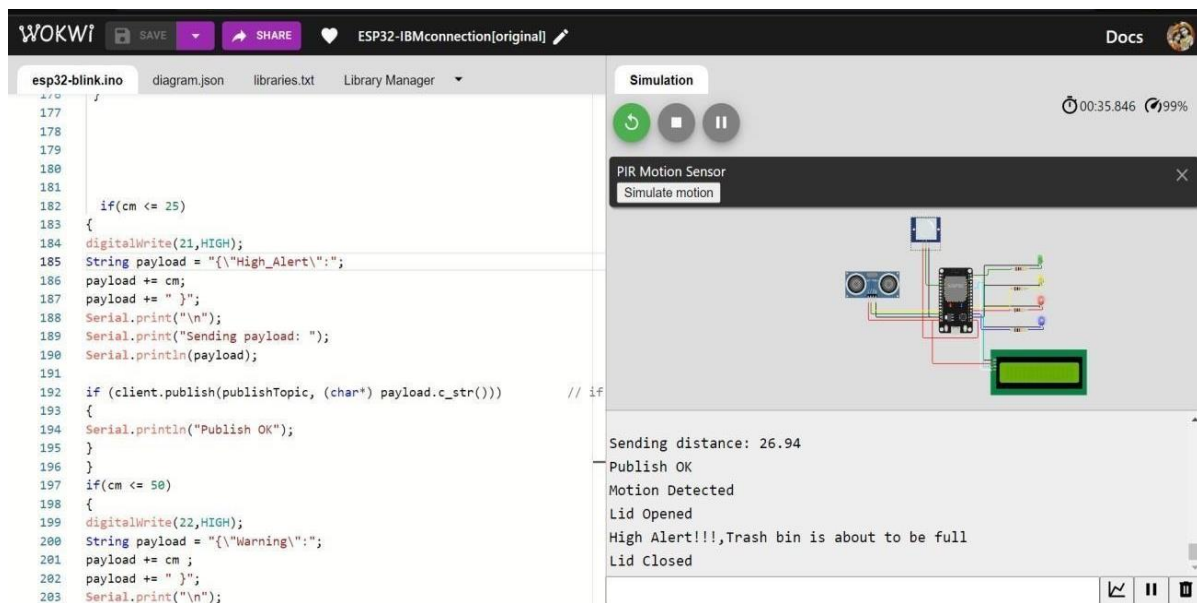
Date	9 November 2022
Team ID	PNT2022TMID46602
Project Name	Smart Waste Management for Metropolitan Cities-IOT

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





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



### 3. Data transfer to Watson IOT platform.

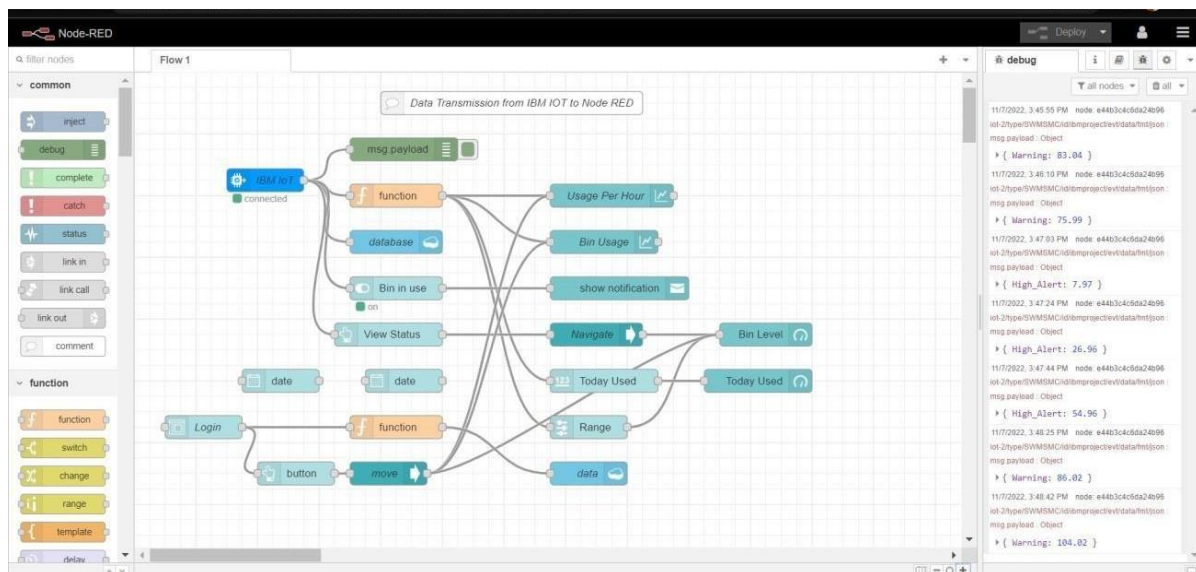
Browse   Action   Device Types   Interfaces
Add Device +

---

The recent events listed show the live stream of data that is coming and going from this device.

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.

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Log Out

Databases

Database name

Create Database

{ } JSON

📖

🔔

Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	<div>🔄🔒🗑️</div>
noderedwjlidy20221105	37.4 KB	4	No	<div>🔄🔒🗑️</div>
sample	59.4 KB	351	No	<div>🔄🔒🗑️</div>
sensor_data	15.7 KB	90	No	<div>🔄🔒🗑️</div>

Showing 1–4 of 4 databases. Databases per page 20 < 1 >

← →

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Log Out

sensor\_data

Document ID

Options

{ } JSON

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🔔

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

🗑️

Create Document

	id	key	value
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...
<input type="checkbox"/>	0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0...
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c...
<input type="checkbox"/>	1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e...
<input type="checkbox"/>	20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9...
<input type="checkbox"/>	298ed6fbd9b3b815f5ac7c061e...	298ed6fbd9b3b815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1b9...

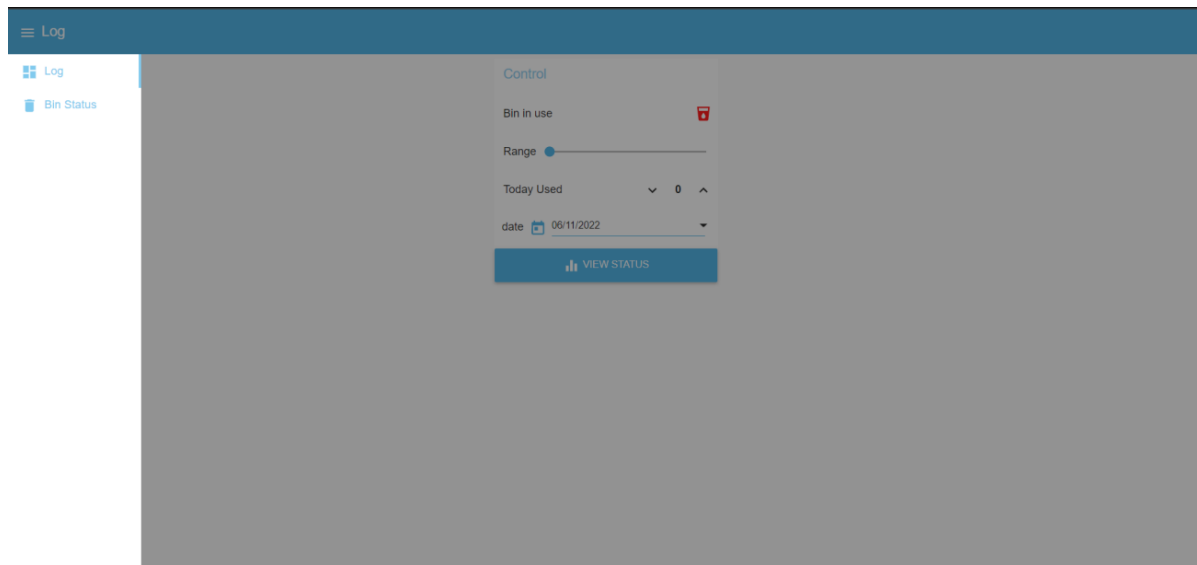
Showing document 1 - 20. Documents per page: 20 < >

## 6. Data is stored in JSON format

The screenshot displays a web-based JSON editor interface. At the top, the document is titled "sensor\_data" followed by a long alphanumeric ID. The interface includes a top bar with a "Save Changes" button, a "Cancel" button, and three action buttons: "Upload Attachment", "Clone Document", and "Delete". A sidebar on the left contains various navigation icons, including a "Log Out" button at the bottom. The main editor area shows a JSON document with line numbers 1 through 12. The JSON content is as follows:

```
1 {
2   "_id": "0198213c192cb2c244cc2433f1802b91",
3   "_rev": "1-cde2dd17c519394dfef774730c495f8b",
4   "topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
5   "payload": {
6     "Warning!!!": "244.971left"
7   },
8   "deviceId": "ibmproject",
9   "deviceType": "SWMSMC",
10  "eventType": "data",
11  "format": "json"
12 }
```

## 7. Web UI



Control

Bin in use 

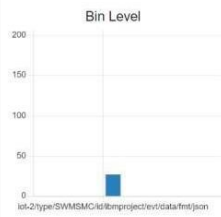
Range 

Today Used  0 

date  06/11/2022 

 VIEW STATUS

Bin Status



date  06/11/2022

