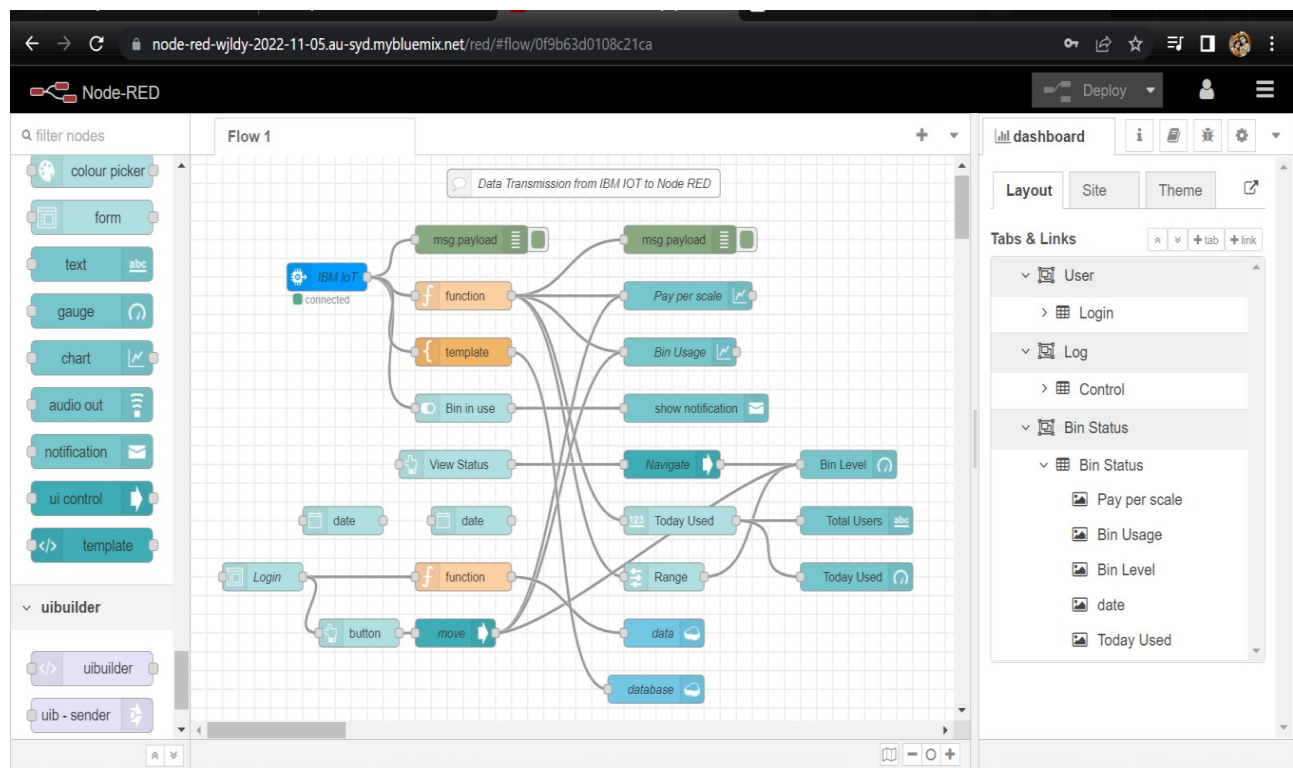


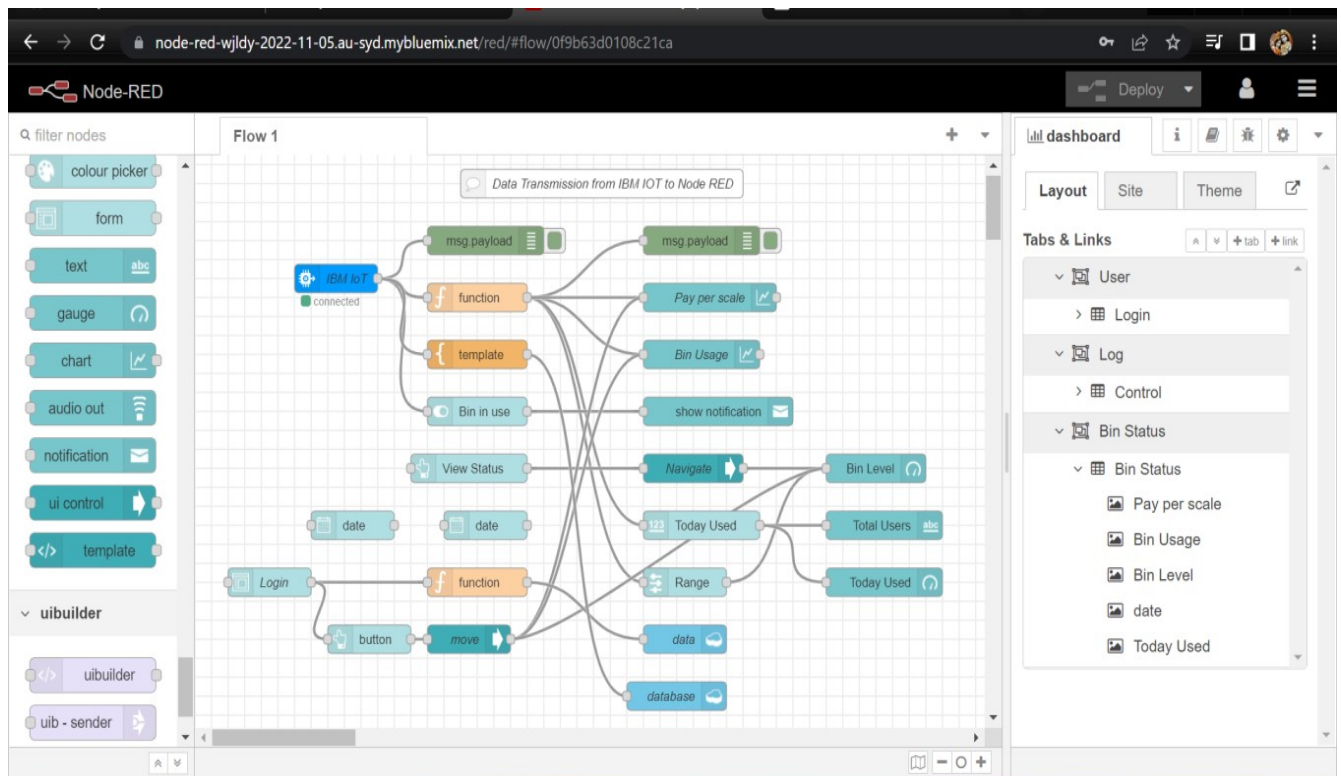
## Delivery of Sprint – 4

### Web UI Design and Deploy

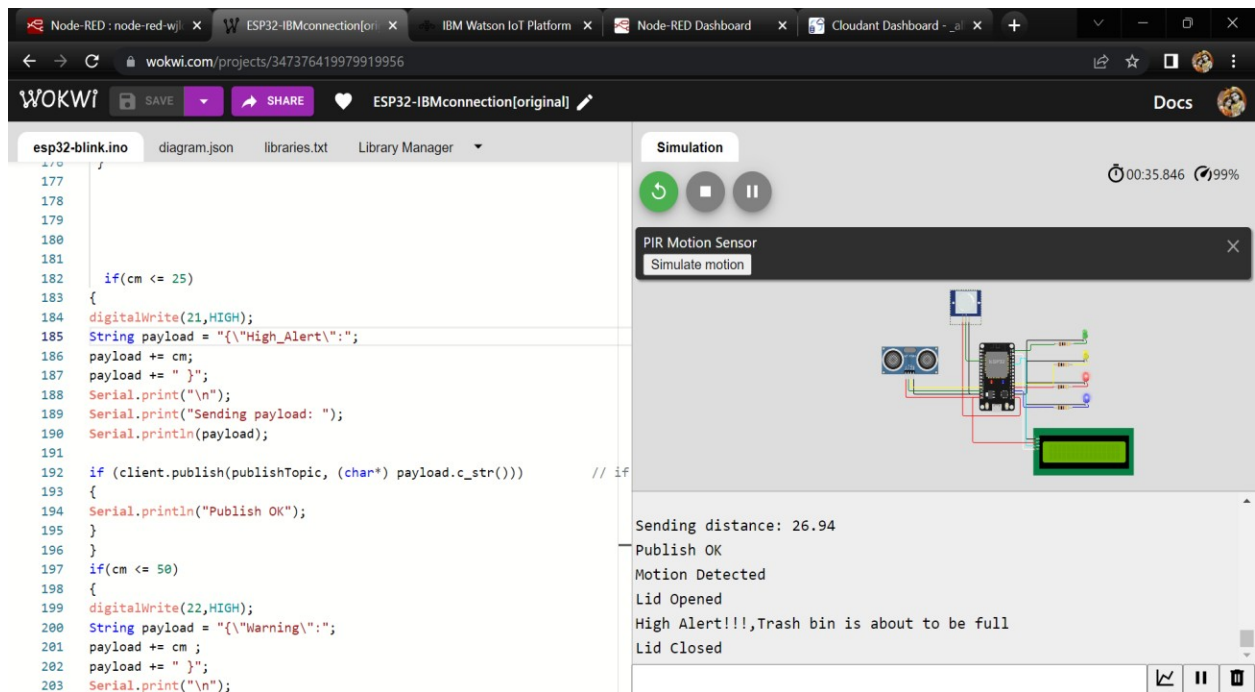
Date	17 November 2022
Team ID	PNT2022TMID04766
Project Name	Smart Waste Management for Metropolitan Cities - IOT

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

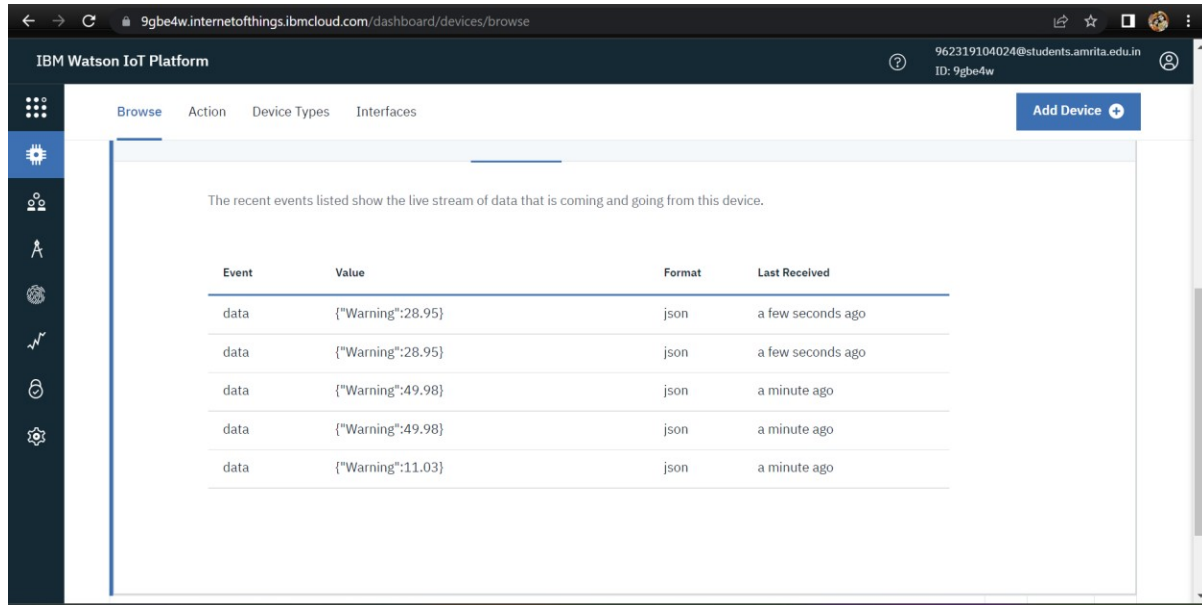




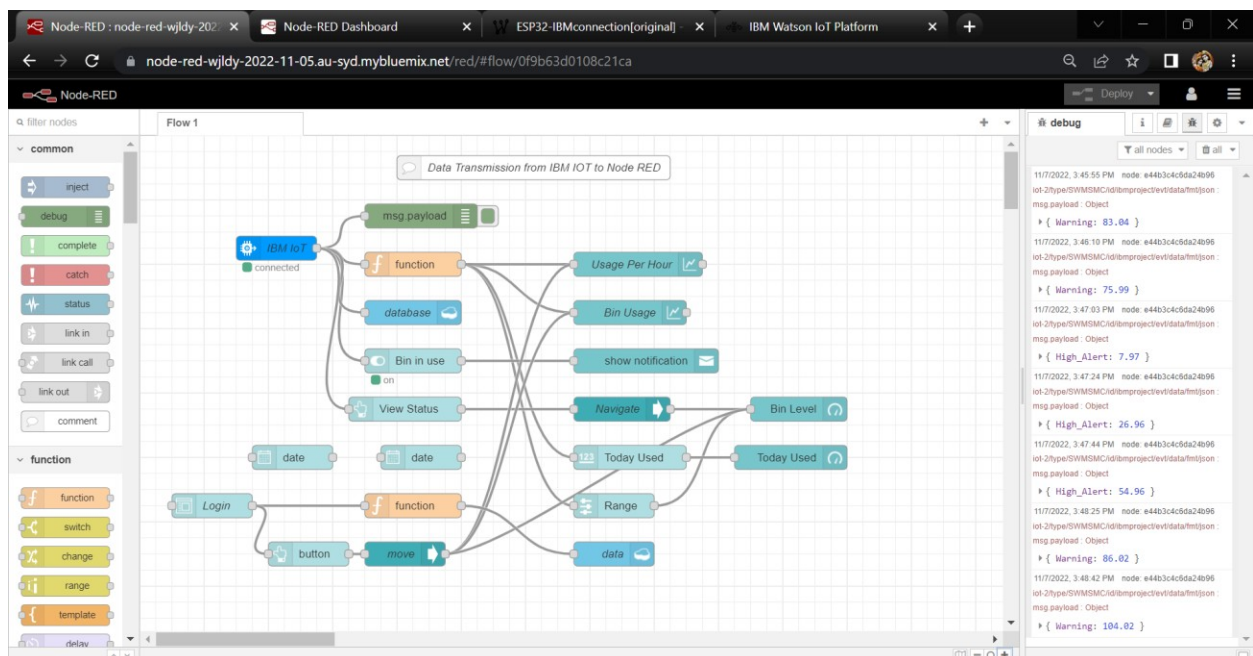
2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.



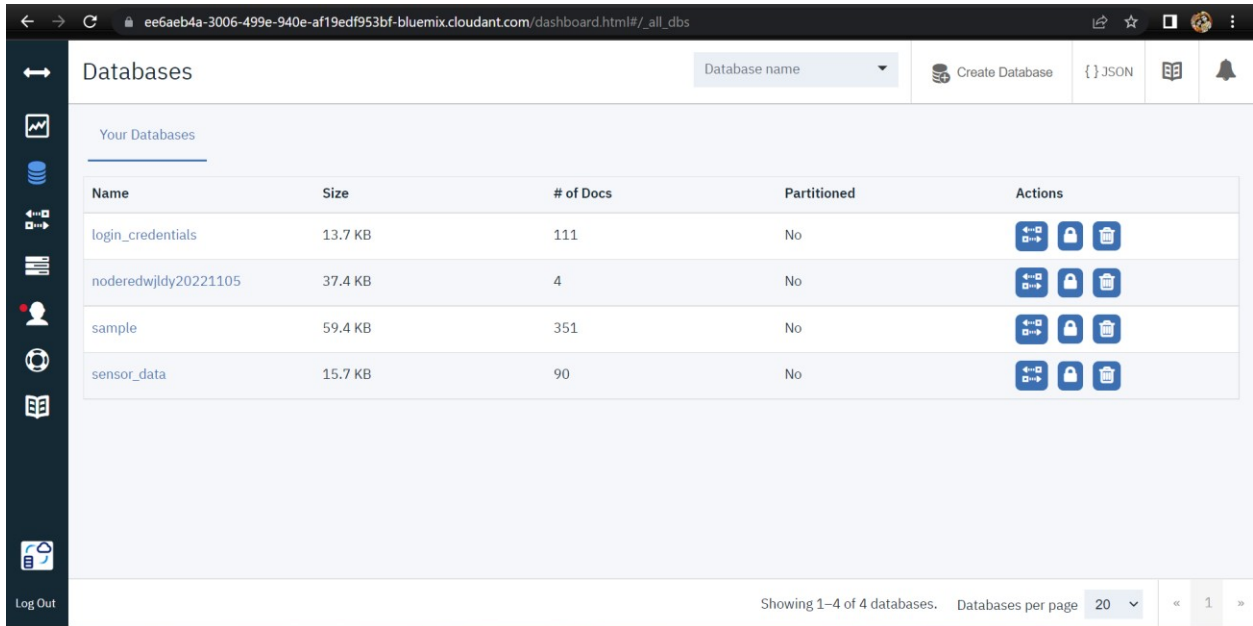
### 3. Data transfer to Watson IOT platform.



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



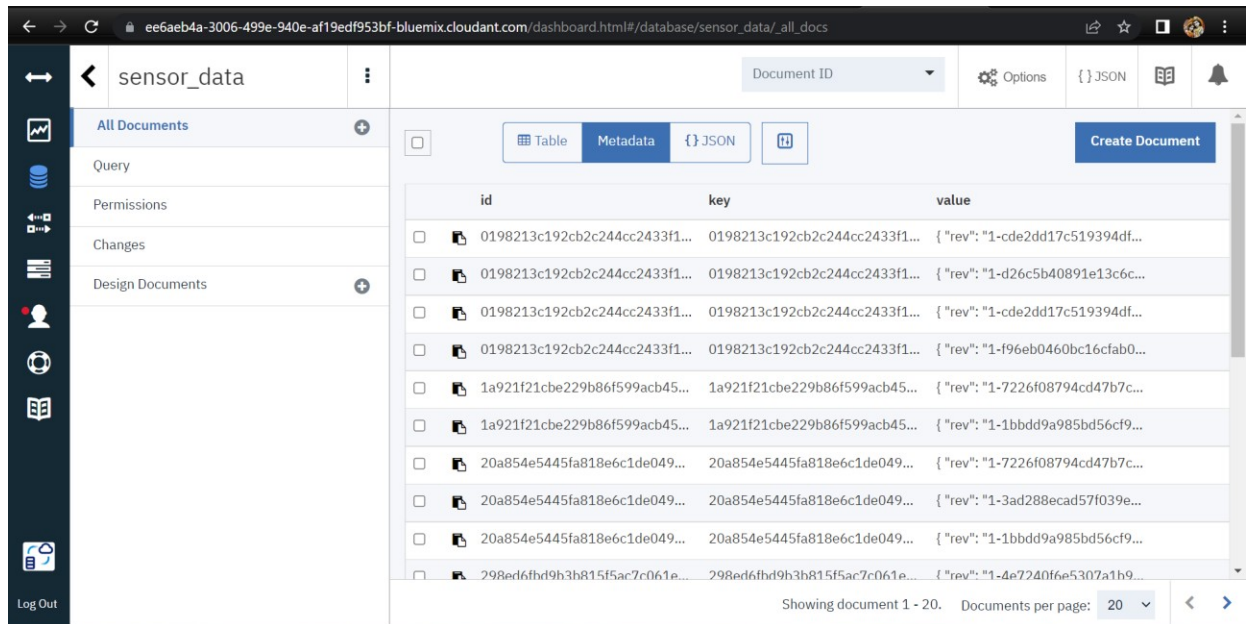
## 5 . Storing database in IBM cloudant DB.



The screenshot shows the IBM Cloudant Databases dashboard. The URL in the browser is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/all_dbs`. The dashboard has a sidebar with navigation icons and a main content area titled "Databases". Below the title, there's a "Your Databases" section with a table listing databases.

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	[Icons for edit, lock, delete]
noderedwjldy20221105	37.4 KB	4	No	[Icons for edit, lock, delete]
sample	59.4 KB	351	No	[Icons for edit, lock, delete]
sensor_data	15.7 KB	90	No	[Icons for edit, lock, delete]

At the bottom, it says "Showing 1-4 of 4 databases. Databases per page: 20".



The screenshot shows the IBM Cloudant document view for the "sensor\_data" database. The URL is `ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#/database/sensor_data/all_docs`. The interface includes a sidebar with navigation options like "All Documents", "Query", "Permissions", "Changes", and "Design Documents". The main area shows a table of documents with columns "id", "key", and "value".

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df..." }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16cfab0..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c..." }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56cf9..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ecad57f039e..." }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56cf9..." }
298ed6fhd9b3b815f5ac7c061e...	298ed6fhd9b3b815f5ac7c061e...	{ "rev": "1-4e7240f6e5307a1b9..." }

At the bottom, it says "Showing document 1 - 20. Documents per page: 20".

## 6. Data is stored in JSON format

ee6aeb4a-3006-499e-940e-af19edf953bf-bluemix.cloudant.com/dashboard.html#database/sensor\_data/0198213c192cb2c244cc2433f1802b91

sensor\_data > 0198213c192cb2c244cc2433f1802b91

Save Changes Cancel Upload Attachment Clone Document Delete

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

Log Out


## 7. Web UI


node-red-wjldy-2022-11-05.au-syd.mybluemix.net/ui/#/0?socketid=mTvmznbl9r5aUmAACX



Log



Log Bin Status


Control

Bin in use 

Range 

Today Used  0 

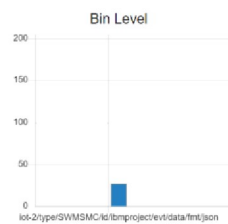
date  06/11/2022 

 VIEW STATUS

Range

VIEW STATUS

Bin Status



date 06/11/2022

