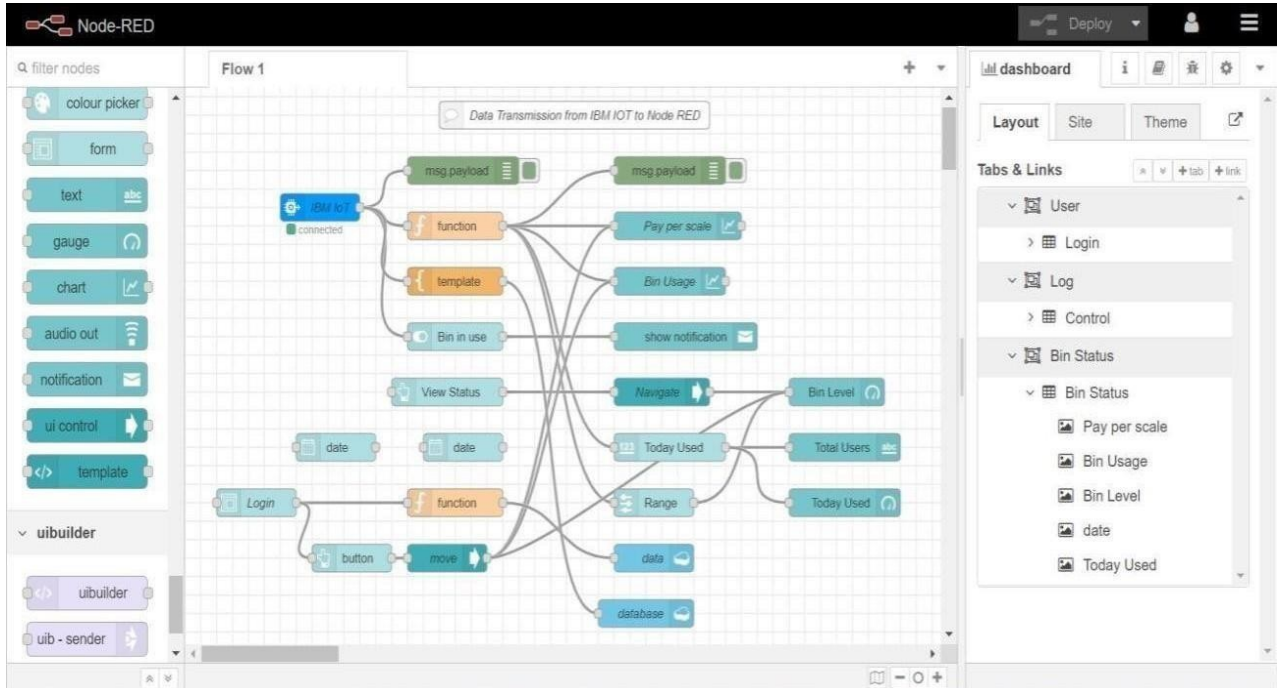


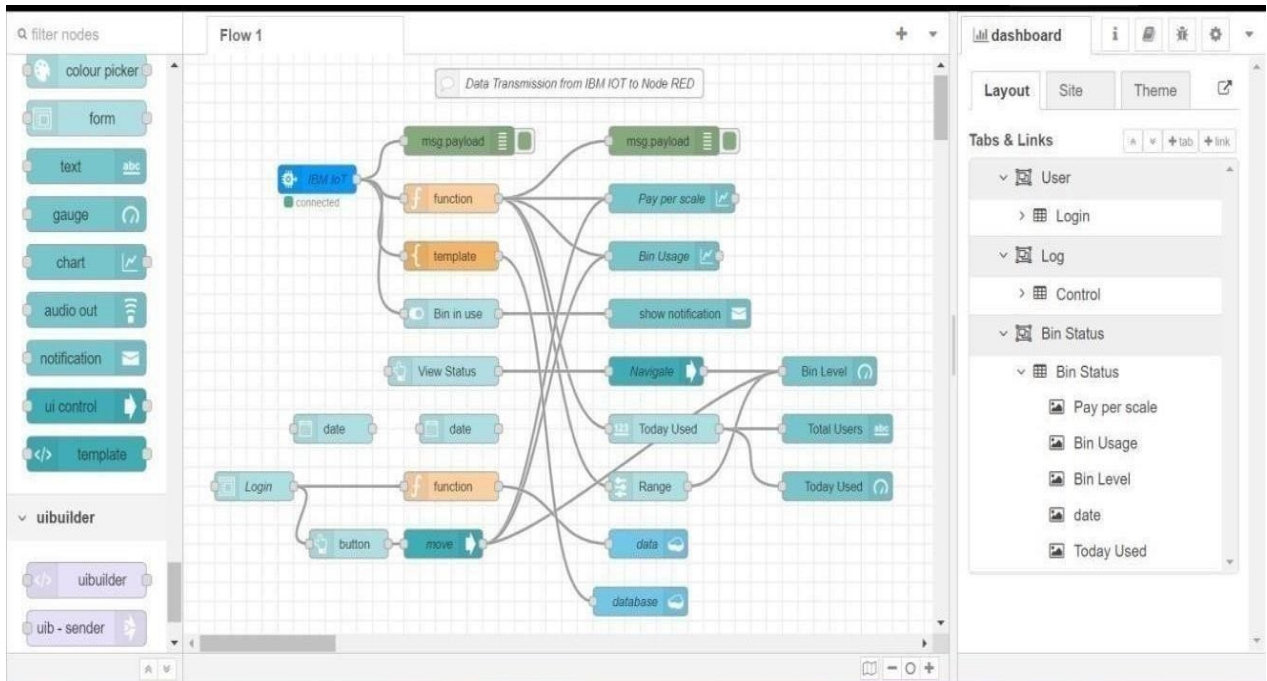
Delivery of Sprint – 4

Web UI Design and Deploy

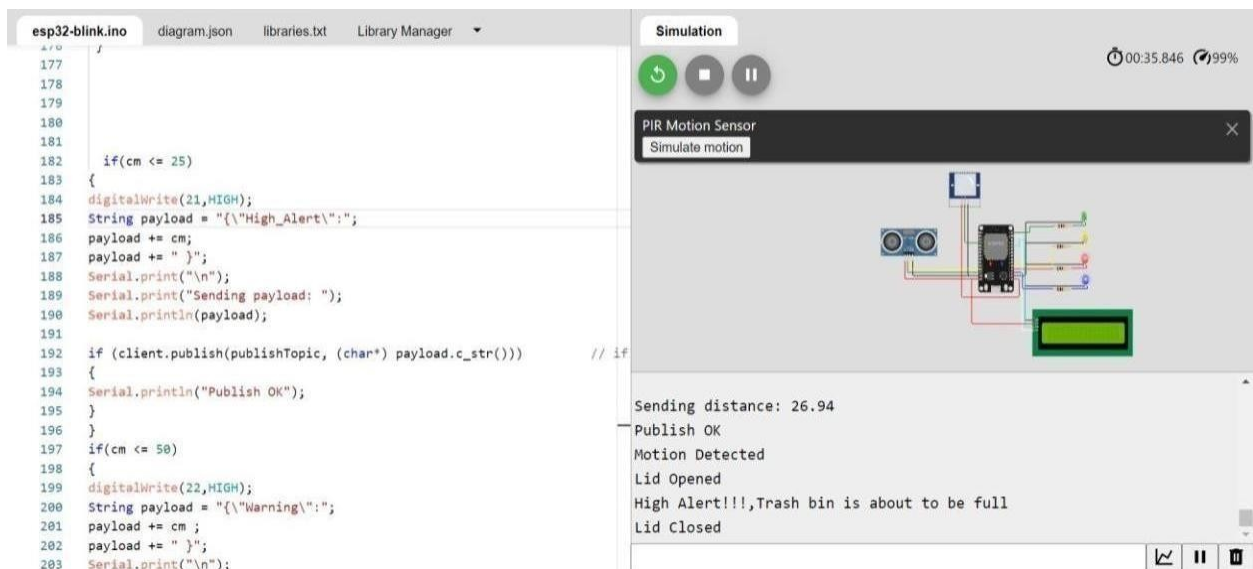
Team ID	PNT2022TMID14345
Project name	Smart Waste Management system for metropolitan cities

1. Node-RED Connection setup for data transmission from IBM Watson IOTplatformto Node-RED dashboard.





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

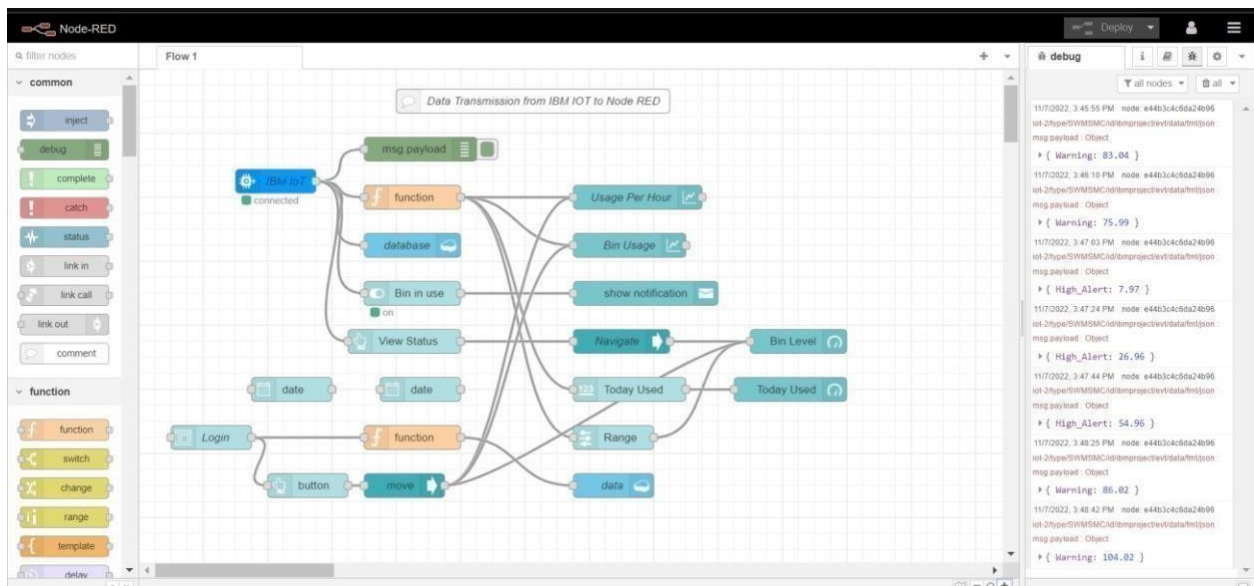


3. Data transfer to Watson IOT platform.

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.

↔

Databases

Database name

Create Database

{ } JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	<div>↔</div> <div>🔒</div> <div>🗑️</div>
noderedwjldy20221105	37.4 KB	4	No	<div>↔</div> <div>🔒</div> <div>🗑️</div>
sample	59.4 KB	351	No	<div>↔</div> <div>🔒</div> <div>🗑️</div>
sensor_data	15.7 KB	90	No	<div>↔</div> <div>🔒</div> <div>🗑️</div>

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

Log Out

↔

< sensor_data

Document ID

Options

{ } JSON

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

Log Out

6. Data is stored in JSON format

↔

sensor_data > 0198213c192cb2c244cc2433f1802b91

{ } JSON

📖

🔔

📈

🗄️

🔄

📄

👤

🔍

📖

🏠
Log Out

✔ 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!!": "244.97left"

7 },

8 "deviceId": "ibmproject",

9 "deviceType": "SWMSMC",

10 "eventType": "data",

11 "format": "json"

12 }

7. Web UI

☰ Log

📄 Log

📄 Bin Status

Control

Bin In use

🗑️

Range

🔍

Today Used

▼ 0 ▲

date 📅 06/11/2022 ▼

📊 VIEW STATUS

Log

Control

Bin in use

Range

Today Used

0

date

06/11/2022

VIEW STATUS

