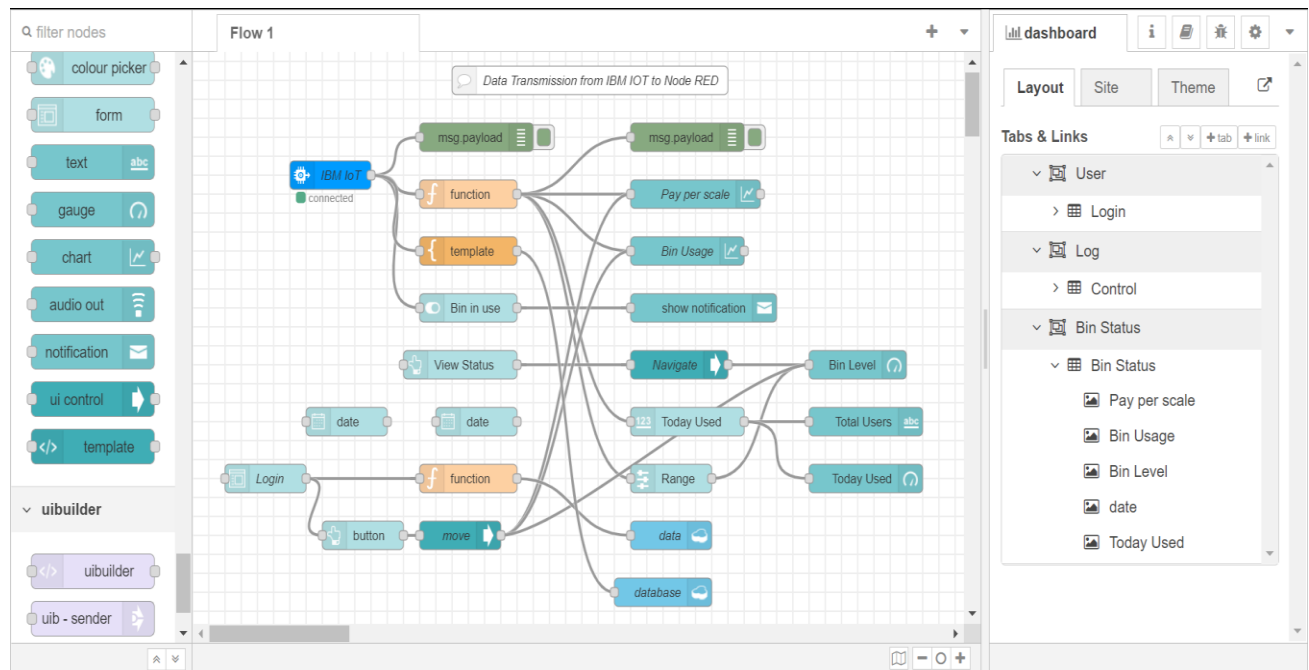


Delivery of Sprint – 4

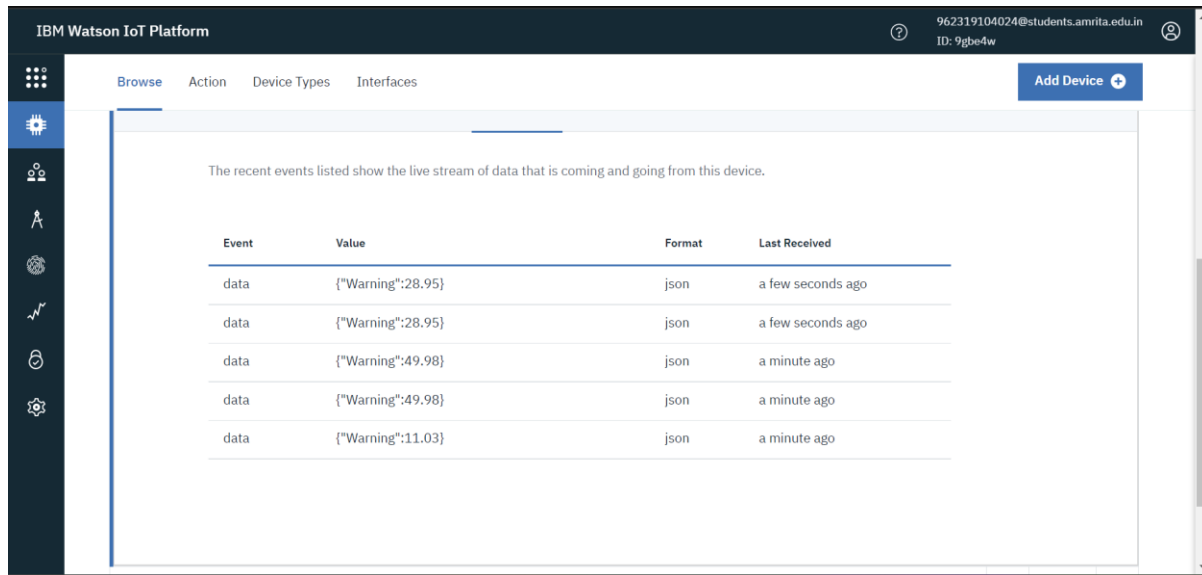
Web UI Design and Deploy

DATE	5 NOVEMBER 2022
TEAM ID	PNT2022TMID01026
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.



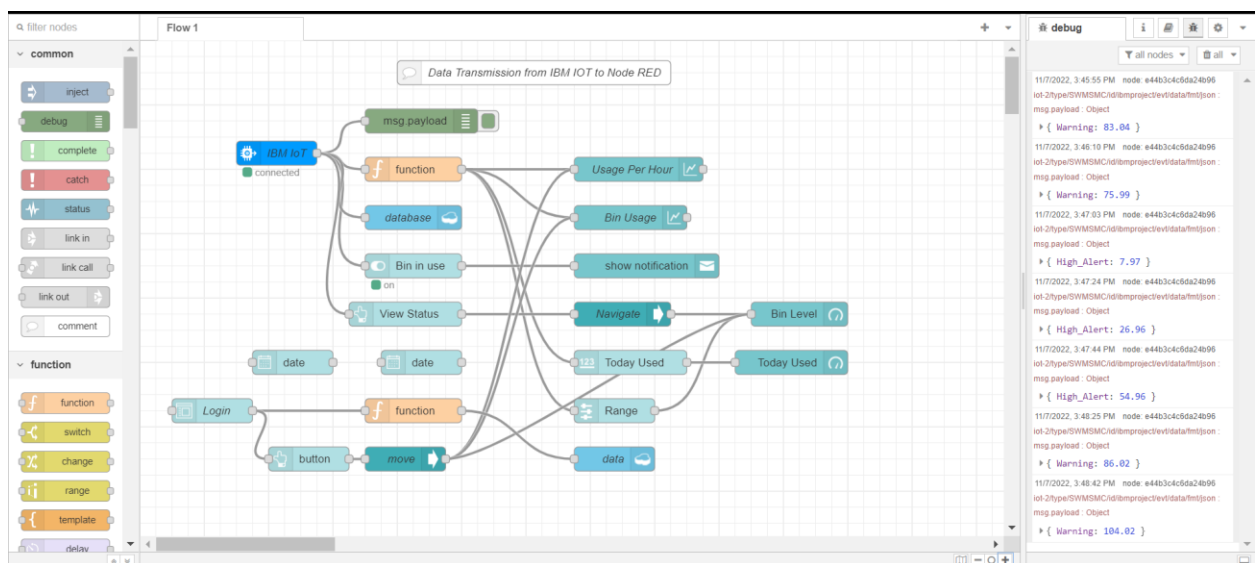
3. Data transfer to Watson IOT platform.



The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of recent events. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The data shows a stream of 'Warning' events with values like 28.95, 49.98, and 11.03, all in 'json' format, received 'a few seconds ago' or 'a minute ago'.

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.

The screenshot shows the IBM Cloudant Databases interface. At the top, there's a header with a 'Database name' dropdown, a 'Create Database' button, and icons for JSON, a book, and a bell. Below the header, the 'Your Databases' section displays a table with the following data:

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' with navigation arrows.

The screenshot shows the IBM Cloudant interface for the 'sensor_data' database. On the left, there's a sidebar with options: 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area displays a table of documents with columns 'id', 'key', and 'value'. The 'value' column shows JSON documents, each with a 'rev' field. The first few documents are:

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' with navigation arrows.

6. Data is stored in JSON format

↔

sensor_data > 0198213c192cb2c244cc2433f1802b91

{} JSON

📖

🔔

Save Changes Cancel

Upload Attachment Clone Document Delete

1-12

```
"_id": "0198213c192cb2c244cc2433f1802b91",
"_rev": "1-cde2dd17c519394dfeb774730c495f8b",
"topic": "iot-2/type/SWMSMC/id/ibmproject/evt/data/fmt/json",
"payload": {
  | "Warning!!": "244.971eft"
},
"deviceId": "ibmproject",
"deviceType": "SWMSMC",
"eventType": "data",
"format": "json"
```

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 

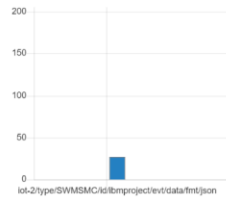
Today Used  0 

date  06/11/2022 

 VIEW STATUS

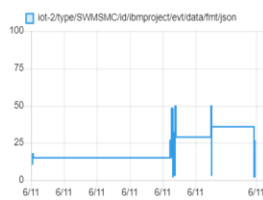
Bin Status

Bin Level

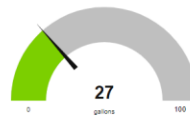


date  06/11/2022

Today Used



Bin Level



Today Used



