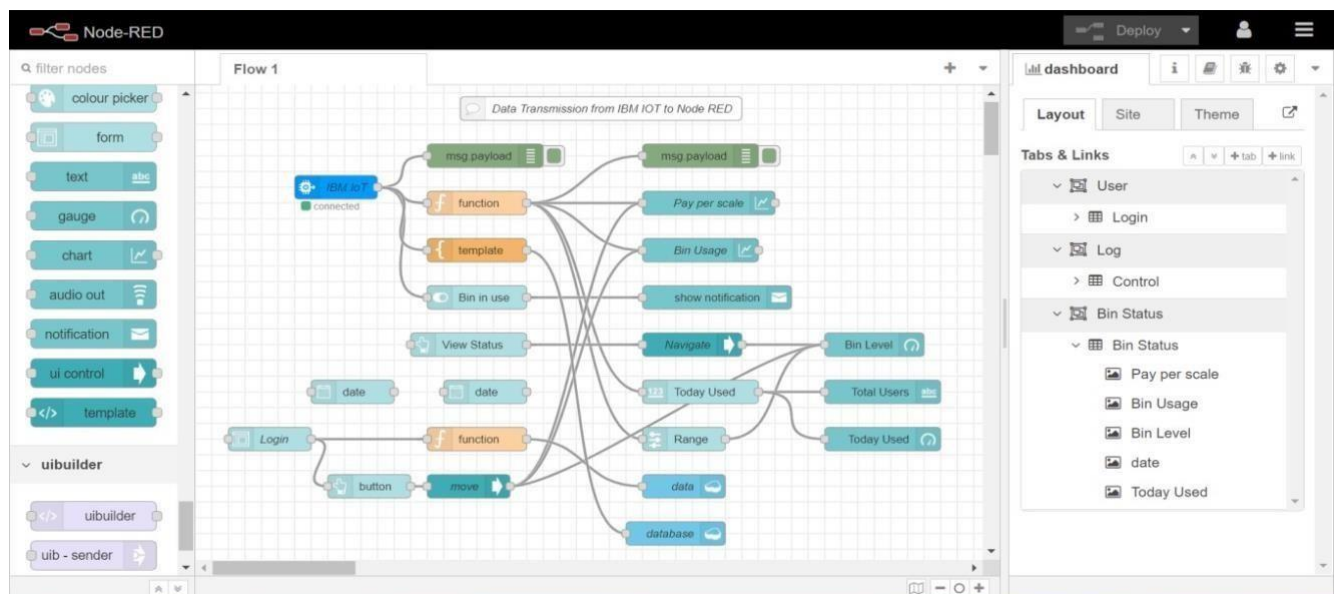
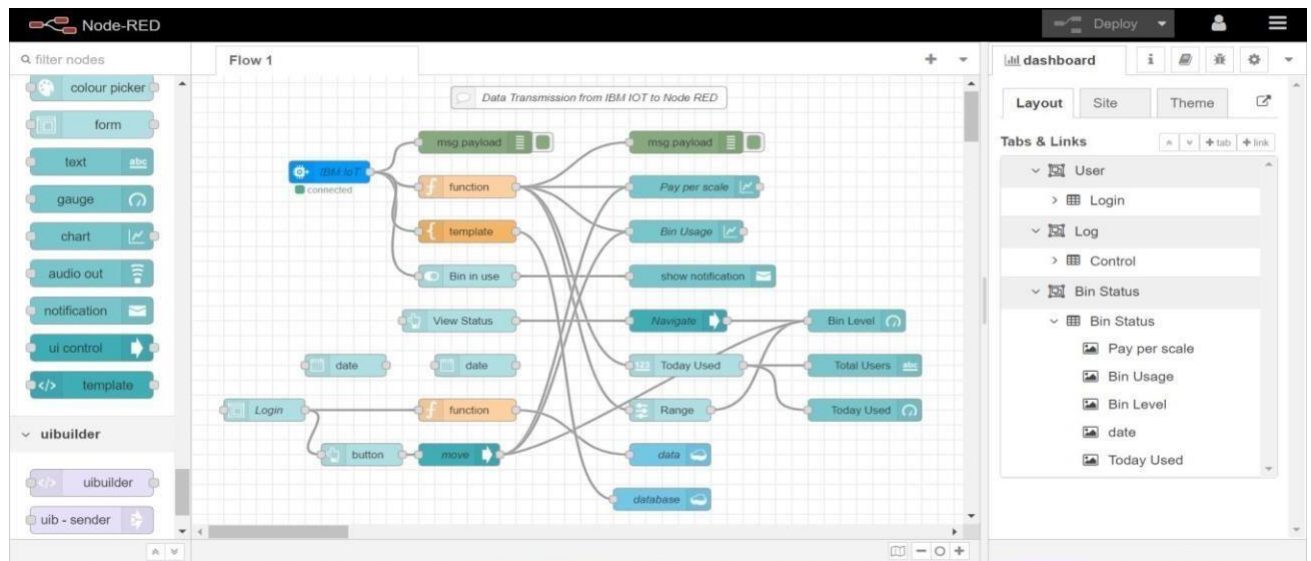


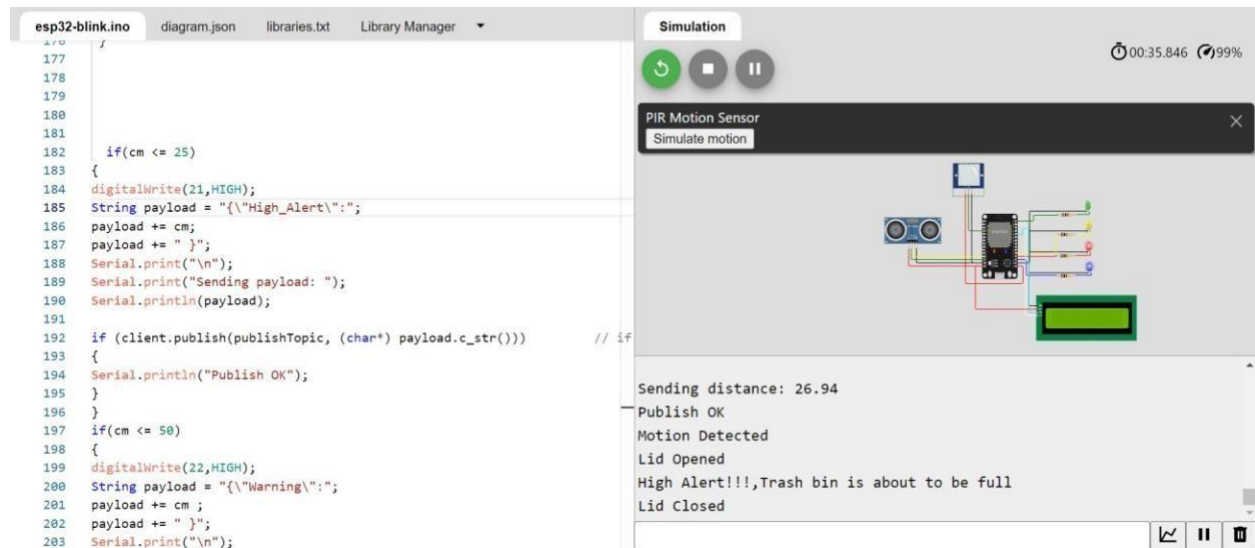
## Node Red Connection to IBM Cloudant

Date	18 November 2022
Team ID	PNT2022TMID04731
Project Name	Smart Waste Management for Metropolitan Cities - IOT

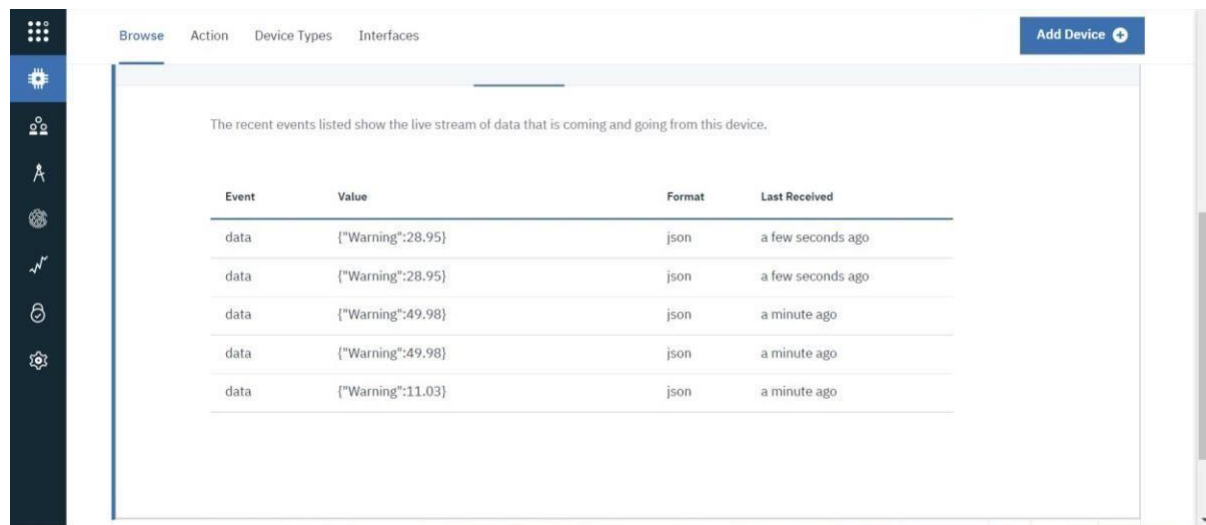
## 1. Node-RED Connection setup for data transmission from IBM Watson IOT platform to



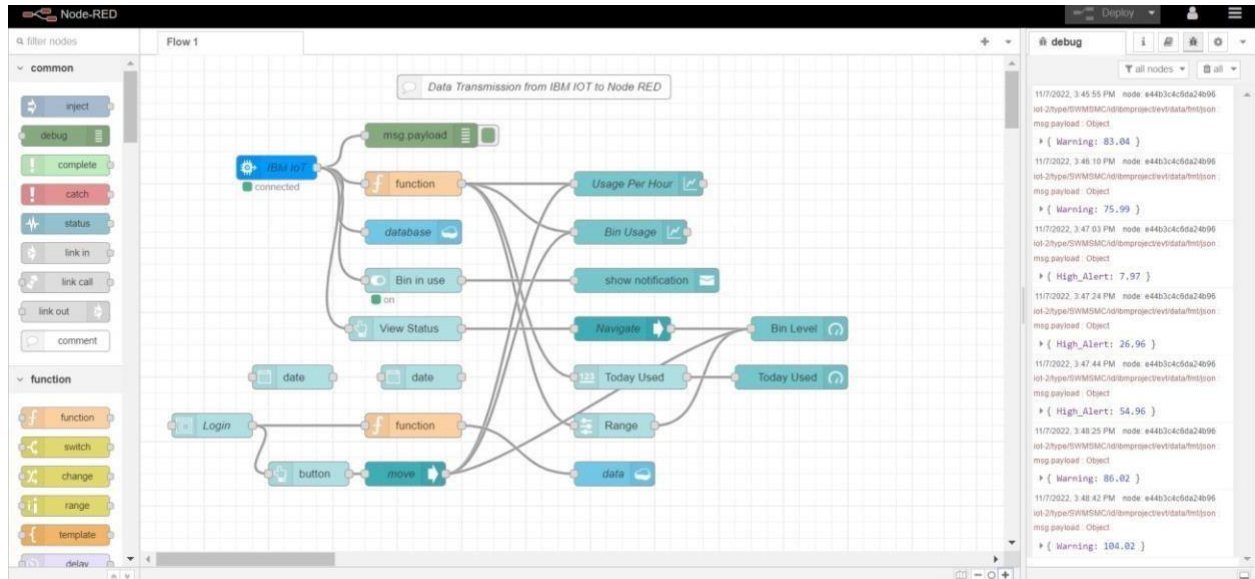
2. Simulate Wokwi connection to transmit data from wokwi account to IBM Watson IOT platform and then to Node Red dashboard.



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.

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

1

6. Data is stored in JSON format

<div> <div>↔</div> <div>📊</div> <div>🗄️</div> <div>🔗</div> <div>📄</div> <div>👤</div> <div>🔊</div> <div>📖</div> <div>🔍</div> <div>🏠</div> </div> <div>Log Out</div>	<div> <div>sensor_data</div> <div>&gt;</div> <div>0198213c192cb2c244cc2433f1802b91</div> </div>	<div> <div>{ } JSON</div> <div>📖</div> <div>🔔</div> </div>
	<div> <div>Save Changes</div> <div>Cancel</div> </div>	<div> <div>Upload Attachment</div> <div>Clone Document</div> <div>Delete</div> </div>
<pre> 1 { 2   "_id": "0198213c192cb2c244cc2433f1802b91", 3   "_rev": "1-cde2dd17c519394df774738c495f8b", 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 }</pre>		

