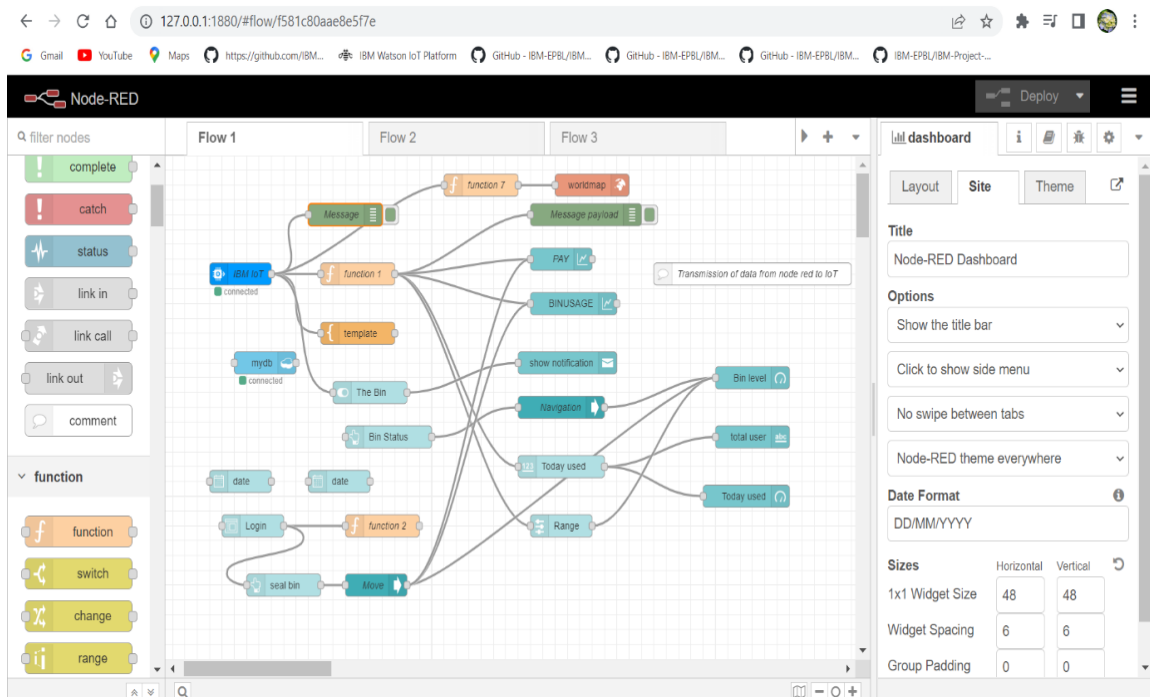
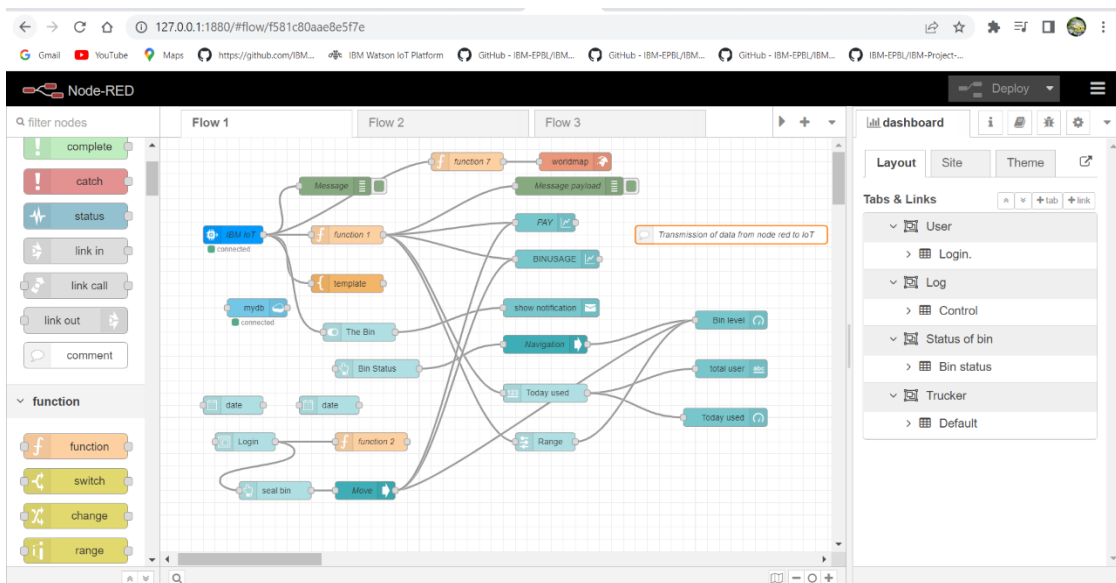


# Delivery of Sprint 3

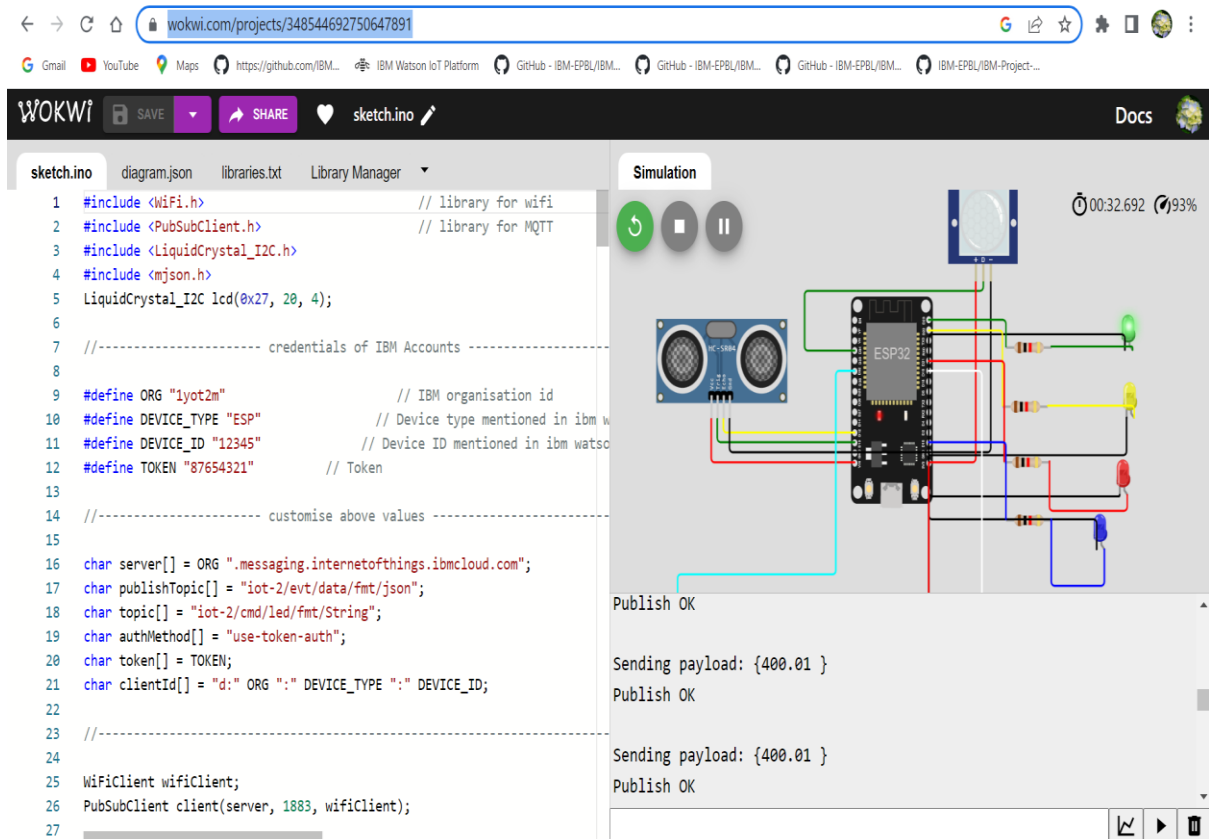
Team ID: PNT2022TMID16239

Project Name : Smart Waste Management System

1. Connection setup of Node-RED for the transmission of data from Node-RED to IBM.



2. The Connection made in wokwi website is simulated to transmit data from wokwi account to IBM Watson IoT platform and then to the Node RED dashboard.



3. Transferred Data in IBM IoT Watson Platform

1yot2m.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

111719106179@smartinternz.com  
ID: 1yot2m

Browse Action Device Types Interfaces

Add Device +

Device ID	Status	Device Type	Class ID	Date Added
12345	Connected	ESP	Device	Oct 28, 2022 9:12 PM
12345	Disconnected	Node	Device	Nov 16, 2022 12:01 PM

Identity Device Information Recent Events State Logs

Device ID: 12345  
Device Type: ESP  
Date Added: Oct 28, 2022 9:12 PM  
Added By: 111719106179@smartinternz.com  
Connection Status: Connected  
Connection Time: Nov 17, 2022 9:20 AM  
Client Address: 145.40.93.209 Insecure

1yot2m.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

111719106179@smartinternz.com  
ID: 1yot2m

Browse Action Device Types Interfaces

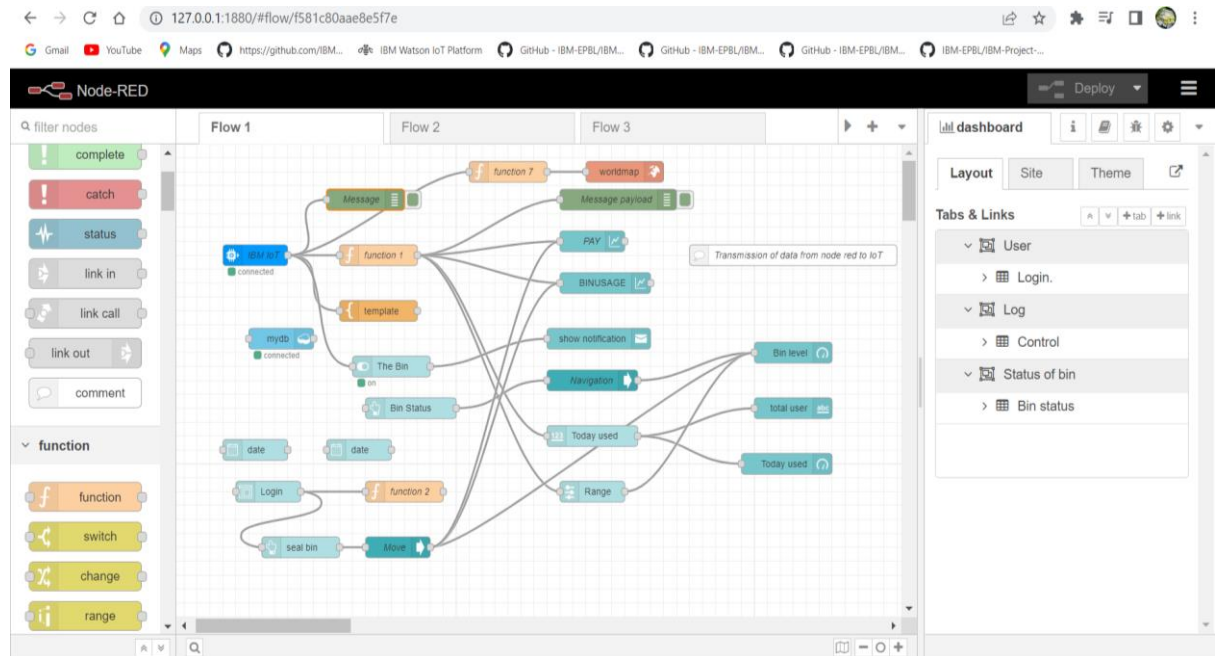
Add Device +

Identity Device Information Recent Events State Logs

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

Event	Value	Format	Last Received
data	{"type":"Buffer","data":[123,52,48,48,46,48,49,...]}	json	a few seconds ago
data	{"type":"Buffer","data":[123,51,57,57,46,57,56,...]}	json	a few seconds ago
data	{"type":"Buffer","data":[123,51,57,57,46,57,56,...]}	json	a few seconds ago
data	{"type":"Buffer","data":[123,52,48,48,46,48,49,...]}	json	a few seconds ago

#### 4. Transmission of data from IBM Watson IoT Platform and Wokwi to Node-RED.



#### 5. IBM Cloudant DB output

The screenshot shows the IBM Cloudant DB interface. The left sidebar displays a navigation menu with options like 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main area shows a table of documents in the 'sensor\_data' collection. The table has columns for 'id', 'key', and 'value'. The 'value' column contains JSON objects with a 'rev' field and a 'data' field. The 'data' field contains an array of sensor readings. The table shows 20 documents, with the first document having a 'rev' of '1-cde2dd17c519394df...' and the last document having a 'rev' of '1-4e72d0f6e5307a1b9...'.

id	key	value
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...", "data": [ ... ] }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-d26c5b40891e13c6c...", "data": [ ... ] }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-cde2dd17c519394df...", "data": [ ... ] }
0198213c192cb2c244cc2433f1...	0198213c192cb2c244cc2433f1...	{ "rev": "1-f96eb0460bc16fab0...", "data": [ ... ] }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-7226f08794cd47b7c...", "data": [ ... ] }
1a921f21cbe229b86f599acb45...	1a921f21cbe229b86f599acb45...	{ "rev": "1-1bbdd9a985bd56c9...", "data": [ ... ] }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-7226f08794cd47b7c...", "data": [ ... ] }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-3ad288ead57f039e...", "data": [ ... ] }
20a854e5445fa818e6c1de049...	20a854e5445fa818e6c1de049...	{ "rev": "1-1bbdd9a985bd56c9...", "data": [ ... ] }
298ed6f6b19h3b815f5ac7c061e...	298ed6f6b19h3b815f5ac7c061e...	{ "rev": "1-4e72d0f6e5307a1b9...", "data": [ ... ] }