SPRINT 2

TEAM ID: PNT2022TMID11760

Smart Waste Management System For Metropolitan Cities

AIM:

To create device in the IOT Watson Platform and Configure Node Red Services.

REQUIREMENT:
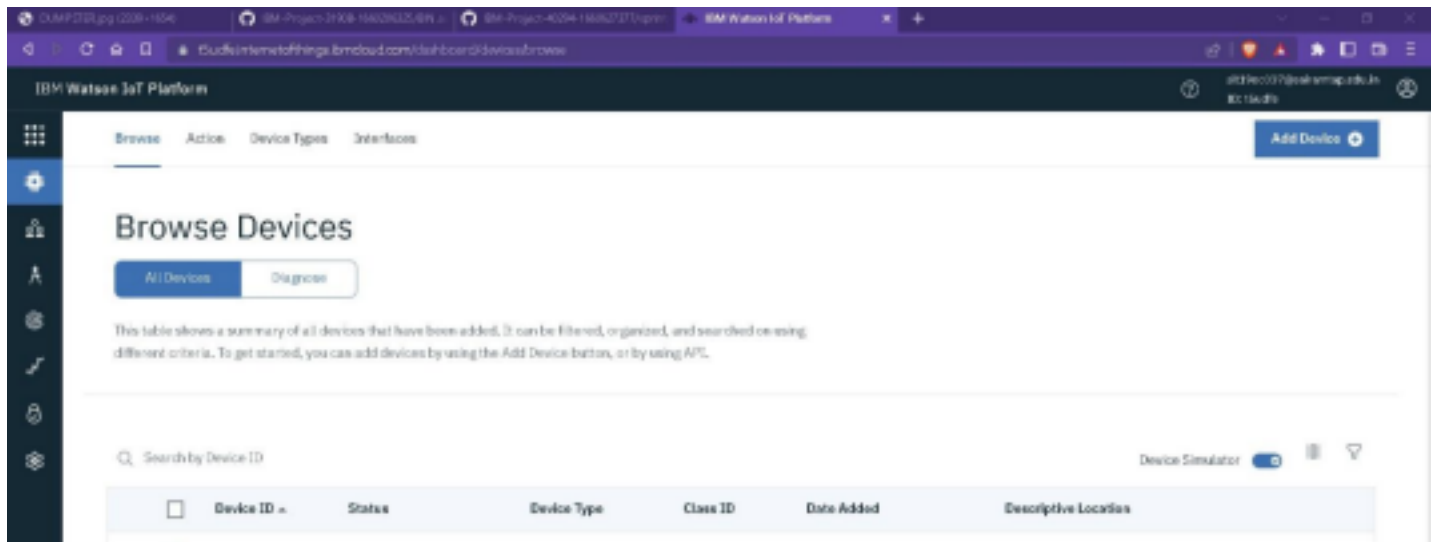
IBM cloud, IBM IOT WATSON PLATFORM,NODE RED SERVICES.

WORKFLOW:

STEP 1:

Log on to IBM cloud and create IBM Watson IOT Platform from IBM cloud Dashboard.

STEP 2:

After Creating IBM Watson IOT Platform,create an Organization

STEP 3:

Create an device IBM IOT PALTFORM.

TYPE THE REQUIRED FIELDS (TYPE: Raspberrypi , ID:
12345)GIVE AUTH-TOKEN.

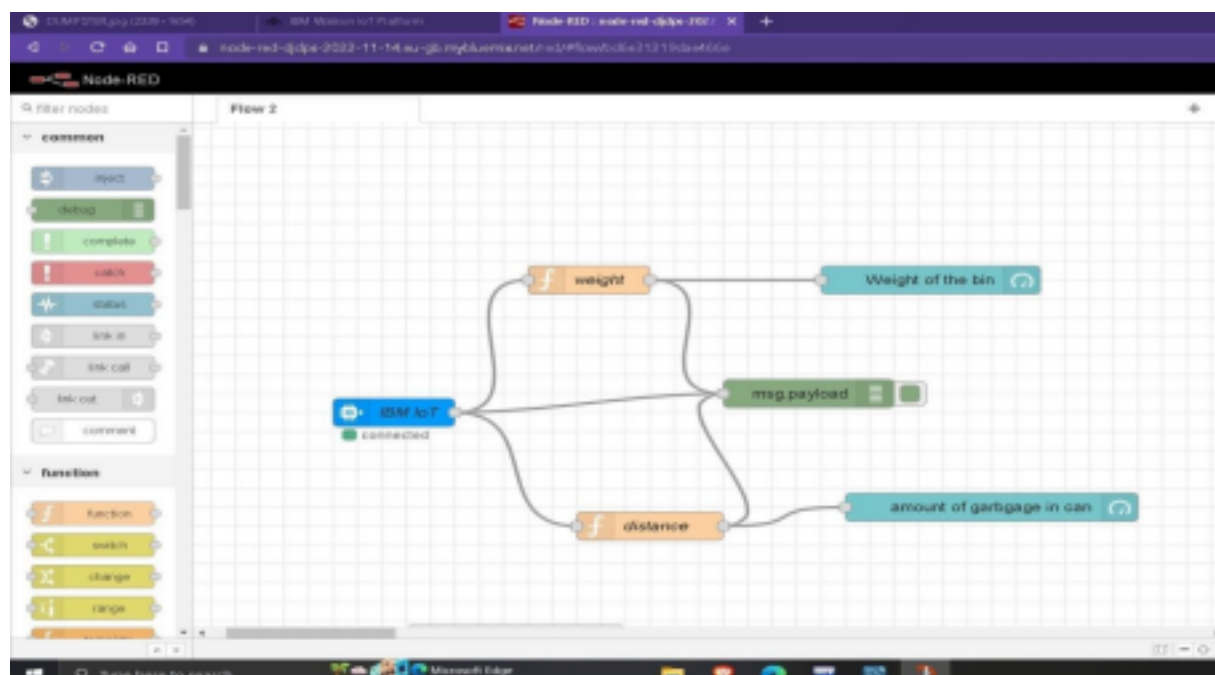## STEP 4:

NODE RED SERVICE
- INSTALL IBM IOT IN MANGE PALETTE.
- INSTALL NODE RED DASHBOARD.

STEP 5:
Configuring the corresponding nodes

STEP 6:
Deploy the Services and verify the output values.
OUTPUT IN IBM WATSON IOT PLATFORM:

IBM Watson IoT Platform

sit19ec037@saharritap.edu.in
ID: 6udfv

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
event_1	{"distance":96,"weight":1}	json	a few seconds ago
event_1	{"distance":100,"weight":5}	json	a few seconds ago
event_1	{"distance":148,"weight":9}	json	a few seconds ago
event_1	{"distance":74,"weight":8}	json	a few seconds ago
event_1	{"distance":101,"weight":8}	json	a few seconds ago

Items per page 50 | 1–1 of 1 item   1 of 1 page   <   1 >

1 Simulation running

Type here to search   Microsoft Edge

IBM Watson IoT Platform

sit19ec037@saharritap.edu.in
ID: 6udfv

Browse   Action   Device Types   Interfaces

Q Search by Device ID

	Device ID ▲	Status	Device Type	Class ID	
☑	12345	✕ Disconnected	raspberrypi	Device	12

Identity   Device Information   Recent Events   State   Logs

Device ID   12345
Device Type   raspberrypi
Date Added   12 Nov 2022 19:26
Added By   sit19ec037@saharritap.edu.in
Connection Status   Disconnected

Items per page 50 | 1–1 of 1 item

Device Type: raspberrypi

Events 1   New event type ⊕

Event type name   event_1   Send   🗑

Schedule
20   Every Minute   ▾

Payload
Specify the event payload in the editor window or by uploading a CSV file.

```
0   {
1     "distance": random(0, 200),
2     "weight": random(0, 10)
3
4   }
5
```

Upload a CSV file

Cancel   Save

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