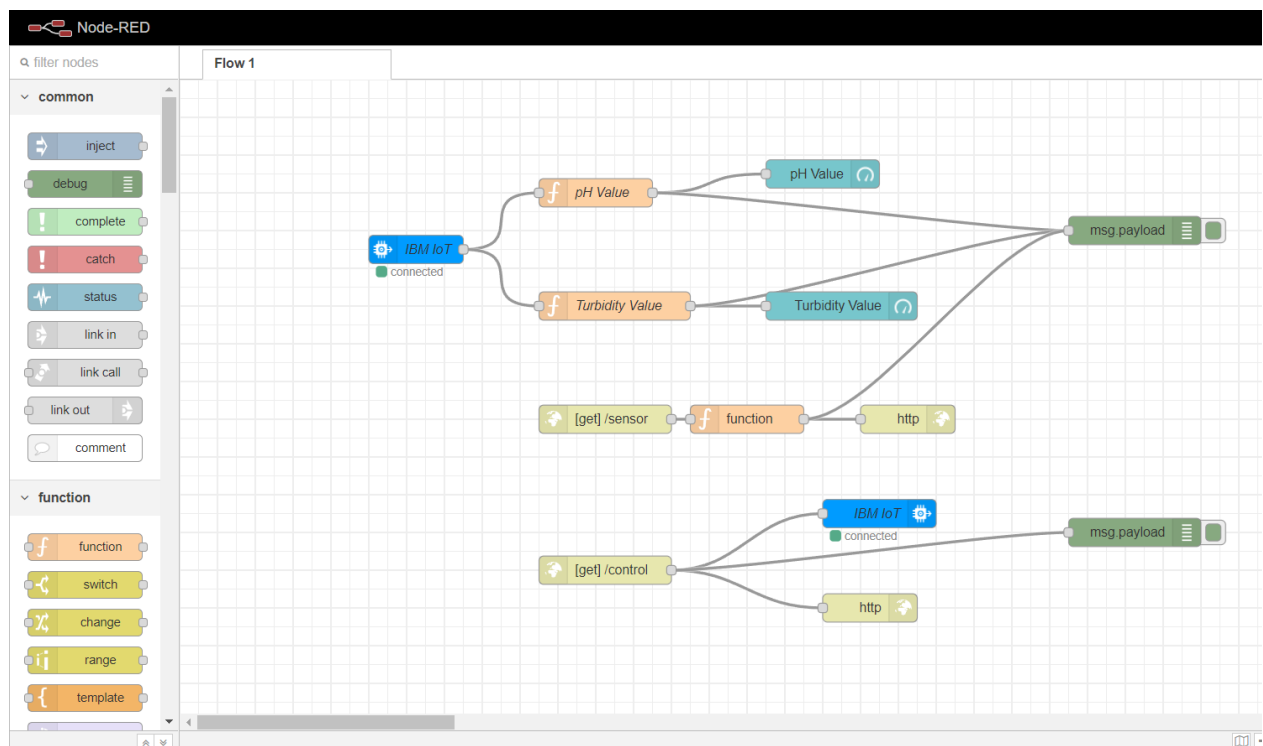


# Project Development Phase

## Sprint 2

Date	13 November 2022
Team ID	PNT2022TMID43379
Project Name	River Water Quality Monitoring and Control System

## Design an Web Application to Monitor the Water Quality using NODE-RED



## IBM IOT Input Module:

Edit ibmiot in node

Delete

Cancel

Done

Properties

Authentication

API Key

API Key

RivWaterQuality

Input Type

Device Event

Device Type

All or

RivWatQuality

Device Id

All or

RivWatQuality

Event

All or

+

Format

All or

json

QoS

0

Name

IBM IoT

Service

registered

Use the Input Type property to configure this node to receive Events sent by IoT Devices, Commands sent to IoT Devices, Status Messages referring to IoT Devices, or Status Messages referring to IoT Applications

Check the info tab, to get more information about each of the fields

Enabled

## Debug Node Output:

debug

i

📄

🔍

⚙️

▼

all nodes ▼

🗑️ all ▼

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js ▲

: msg.payload : number

9

11/15/2022, 4:43:01 PM node: f2f2649a.0d0d98

iot-

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js

: msg.payload : number

3

11/15/2022, 4:43:04 PM node: f2f2649a.0d0d98

iot-

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js

: msg.payload : number

12

11/15/2022, 4:43:04 PM node: f2f2649a.0d0d98

iot-

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js

: msg.payload : number

9

11/15/2022, 4:43:08 PM node: f2f2649a.0d0d98

iot-

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js

: msg.payload : number

0

11/15/2022, 4:43:08 PM node: f2f2649a.0d0d98

iot-

2/type/RivWatQuality/id/RivWatQuality/evt/IoT Sensor/fmt/js

: msg.payload : number

6

◀

▶

🖥️

## pH Function Node Script:

Edit function node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🖨️

🔖 Name

pH Value

📄 ▼

⚙️ Setup

On Start

On Message

On Stop

1 msg.payload = msg.payload.Ph;

2 global.set('ph',msg.payload)

3 return msg;

☐ Enabled

## Turbidity Node Script:

Edit function node

Delete

Cancel

Done

⚙️ Properties

⚙️

📄

🔗

📌 Name

Turbidity Value

📄 ▼

⚙️ Setup

On Start

On Message

On Stop

1 msg.payload = msg.payload.Turb;

2 global.set('tb',msg.payload)

3 return msg;

☐ Enabled

## IBM Watson IOT Platform:

IBM Watson IoT Platform

19ec127@pingshach.ac.in  
ID: r0qweb

← Back

### Device Drilldown - RivWatQuality

Connection Information

Recent Events

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

Event	Value	Format	Last Received
IoTSensor	{"Ph":10,"Turb":2}	json	a few seconds ago
IoTSensor	{"Ph":7,"Turb":6}	json	a few seconds ago
IoTSensor	{"Ph":3,"Turb":6}	json	a few seconds ago
IoTSensor	{"Ph":12,"Turb":7}	json	a few seconds ago
IoTSensor	{"Ph":5,"Turb":4}	json	a few seconds ago

State

This table shows a list of data points that are reported by this device.

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event
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0 Simulations running

## Web Application:

Not secure | 169.51.206.101:32388/ui/#!/0?socketid=0rb1w-Mib\_QAOOWoAAAC

Learn It Here IBM Classroom Useful Sites Templates Upwork Amazon.in Associat... Gumroad Canva WhatsApp iCloud YouTube Studio Telegram Online Video Down... Dropbox

Home

Default

Turbidity Value

1units

pH Value

13units

Web UI Link: [http://169.51.206.101:32388/ui/#!/0?socketid=0rb1w-Mib\\_QAOOWoAAAC](http://169.51.206.101:32388/ui/#!/0?socketid=0rb1w-Mib_QAOOWoAAAC)