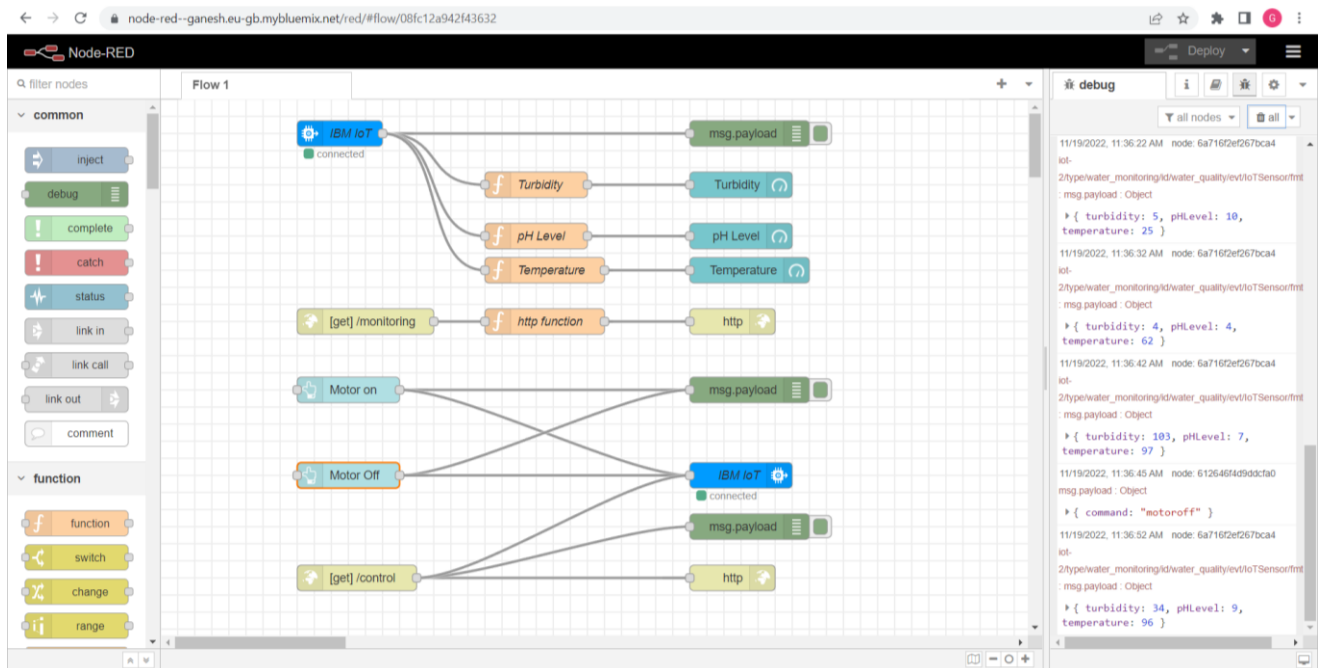


## SPRINT - 4

Date	19 November 2022
Team id	PNT2022TMID01284
Project name	Real Time River Water Quality Monitoring And Control System
Maximum marks	20 marks

In Sprint 4 , The user interacts with the ui.

### NODE RED FLOWS :



### TURBIDITY :

```

1 msg.payload = msg.payload.turbidity
2 global.set('t',msg.payload)
3 return msg;

```

## pH LEVEL :

```
1 msg.payload=msg.payload.pHLevel
2 global.set('p',msg.payload)
3 return msg;
```

## TEMPERATURE :

```
1 msg.payload=msg.payload.temperature
2 global.set('te',msg.payload)
3 return msg;
4
```

## OUTPUT IN NODE RED :

Node-RED Debug Tools - Google Chrome  
node-red--ganesh.eu-gb.mybluemix.net/red/debug/view/view.html

---

11/19/2022, 12:13:57 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 16, pHLevel: 5, temperature: 99 }

11/19/2022, 12:14:07 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 58, pHLevel: 0, temperature: 38 }

11/19/2022, 12:14:12 PM node: 612646f4d9ddcfa0  
msg.payload : Object  
‣ { command: "motoron" }

11/19/2022, 12:14:14 PM node: 612646f4d9ddcfa0  
msg.payload : Object  
‣ { command: "motoroff" }

11/19/2022, 12:14:17 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 34, pHLevel: 7, temperature: 87 }

11/19/2022, 12:14:27 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 26, pHLevel: 0, temperature: 44 }

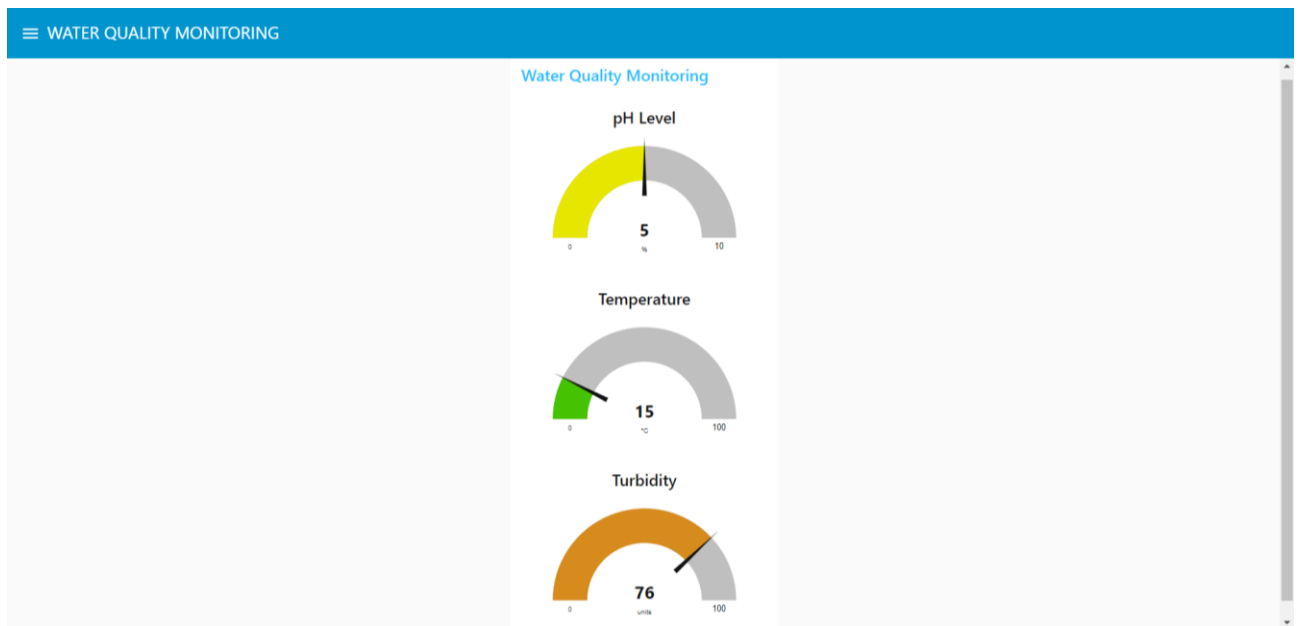
11/19/2022, 12:14:37 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 101, pHLevel: 8, temperature: 30 }

11/19/2022, 12:14:47 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 78, pHLevel: 4, temperature: 72 }

11/19/2022, 12:14:57 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 46, pHLevel: 1, temperature: 27 }

11/19/2022, 12:15:07 PM node: 6a716f2ef267bca4  
iot-2/type/water\_monitoring/id/water\_quality/evt/IoTSensor/fmt/json : msg.payload : Object  
‣ { turbidity: 105, pHLevel: 3, temperature: 63 }

## WEB UI :



## MOTOR CONTROL SYSTEM :

