

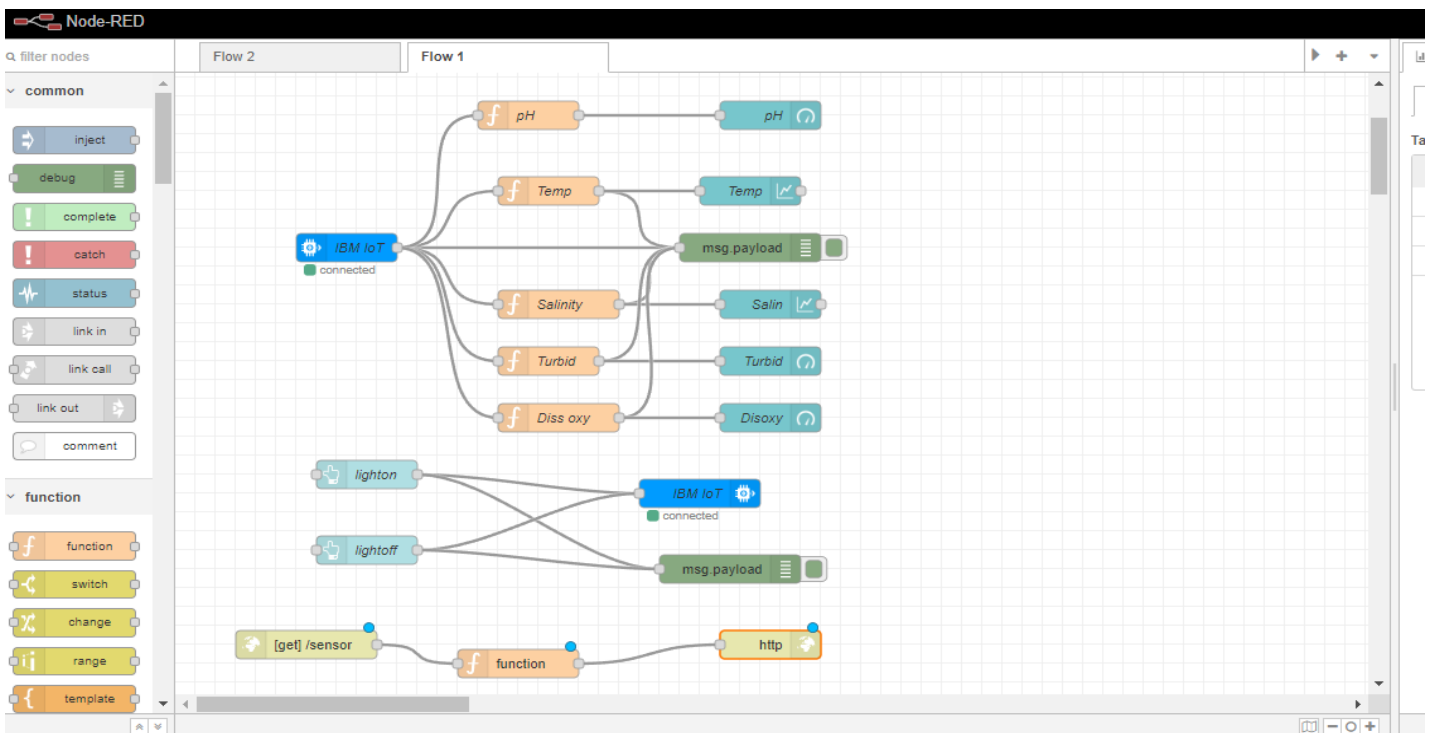
SPRINT 4

TEAM ID: PNT2022TMID40953

REAL TIME RIVER QUALITY MONITORING AND CONTROL SYSTEM

NODE RED UI:

Node-red-dashboard



Edit function node

Delete **Cancel** **Done**

Properties

Name pH

Setup **On Start** **On Message** **On Stop**

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

☐ Enabled

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖼

👤 Name

Turbid

📄 ▼

⚙ Setup

On Start

On Message

On Stop

1 msg.payload = msg.payload.turb

2 global.set("tu",msg.payload)

3 return msg;

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖼

👤 Name

Diss oxy

📄 ▼

⚙ Setup

On Start

On Message

On Stop

1 msg.payload = msg.payload.Doxy

2 global.set("d",msg.payload)

3 return msg;

RED

Flow 2 Flow 1

IBM IoT
connected

pH

Temp

Salinity

Turbid

Diss oxy

msg

lighton

IBM IoT
connected

Edit function node

Delete Cancel Done

Properties

Name Temp

Setup On Start On Message On Stop

```
1 msg.payload = msg.payload.temp
2 global.set("t",msg.payload)
3 return msg;
```

Edit function node

Delete Cancel Done

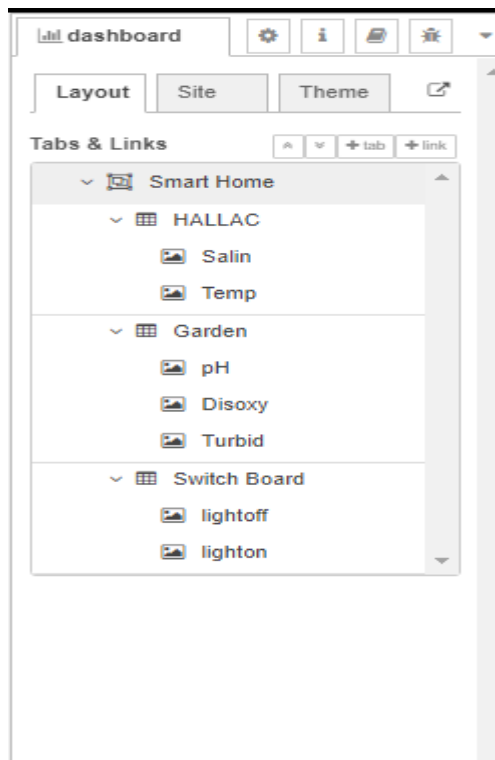
Properties

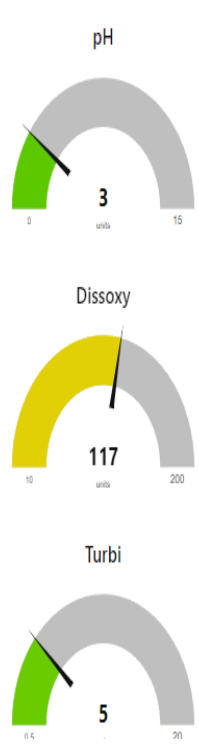
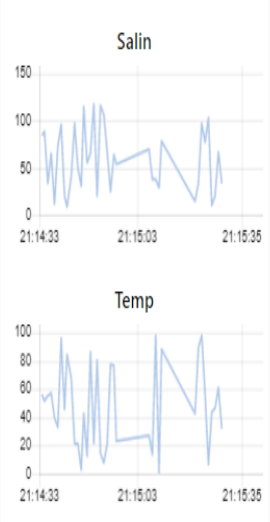
Name Salinity

Setup On Start On Message On Stop

```
1 msg.payload = msg.payload.Salin
2 global.set("s",msg.payload)
3 return msg;
```

UI





LIGHT OFF

LIGHT ON