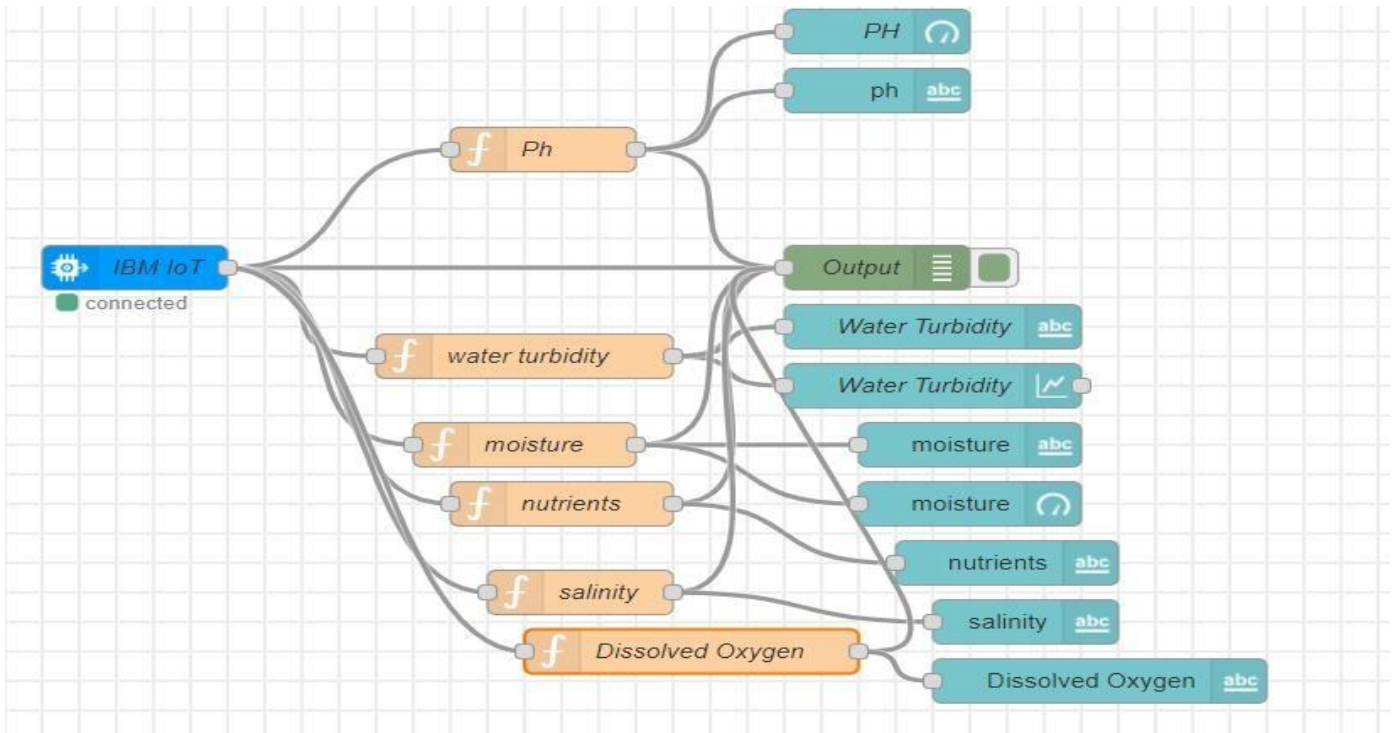


SPRINT 4

TEAM ID: PNT2022TMID05994 (Mohamed Asharaf M) REAL TIME RIVER QUALITY MONITORING AND CONTROL SYSTEM

NODE RED UI:

Node-red-dashboard



Edit function node

Delete

Cancel

Properties

Name Ph

Setup

On Start

On Message

On Stop

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

node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/red/#flow/f079df959c5d08f7

Node-RED

Edit function node

Delete Cancel Done

Properties

Name water turbidity

Setup On Start **On Message** On Stop

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

Enabled

IBM MIT App Inventor Node-RED : node-red- IBM Watson IoT Platform https://node-red-qltdp Sent Mail - sit19ec019

node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/red/#flow/f079df959c5d08f7

Node-RED

Edit function node

Delete Cancel Done

Properties

Name moisture

Setup On Start **On Message** On Stop

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

Enabled

IBM MIT App Inventor Node-RED : node-red- IBM Watson IoT Platform https://node-red-qltdp- Sent Mail - sit19ec019

node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/red/#flow/f079df959c5d08f7

Node-RED

Edit function node

Delete Cancel Done

Properties

Name nutrients

Setup On Start On Message On Stop

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

Enabled

Node-RED

Edit function node

Delete Cancel Done

Properties

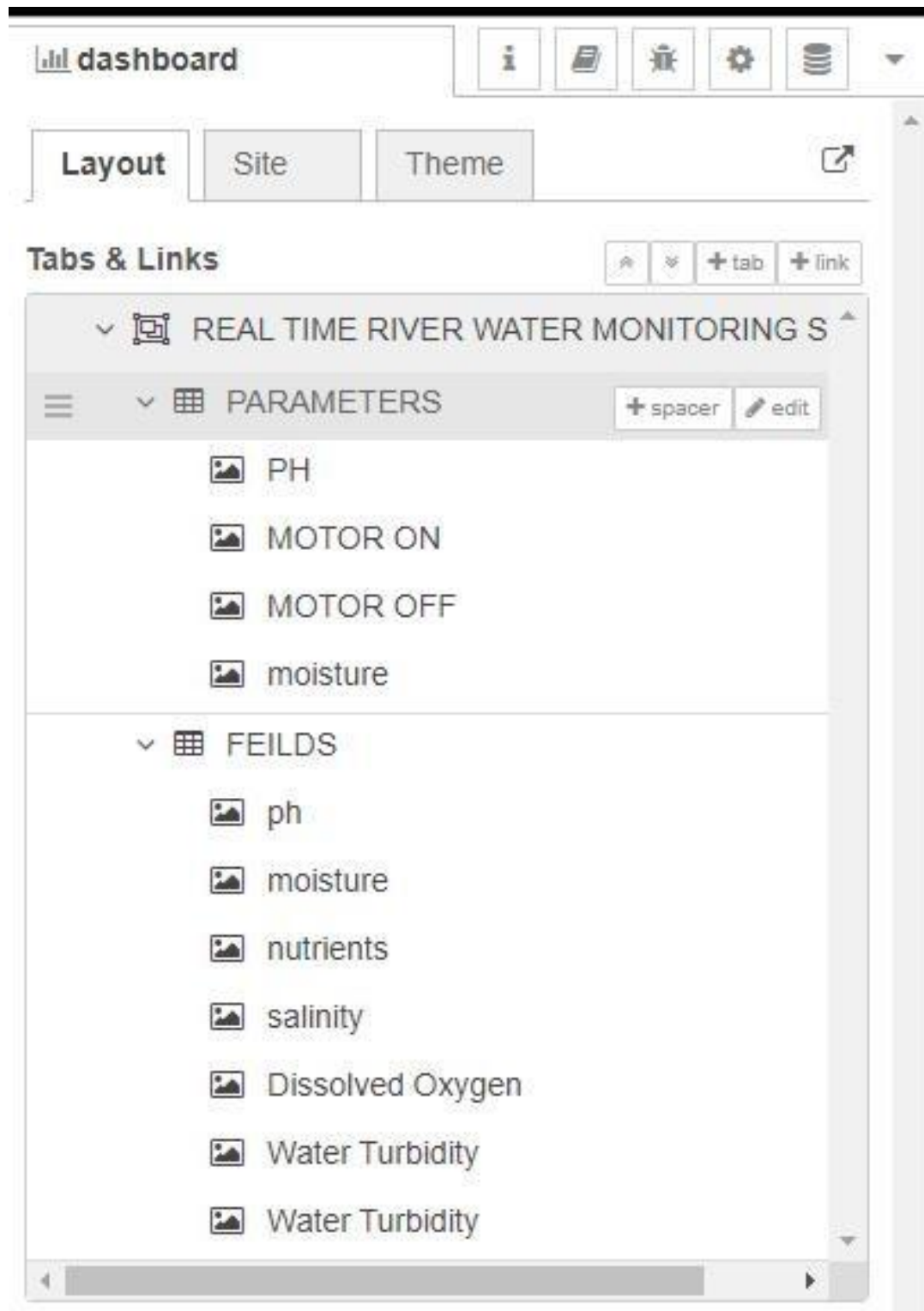
Name salinity

Setup On Start On Message On Stop

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

Enabled


UI



REAL TIME RIVER WATER MONITORING SYSTEM

PARAMETERS

Ph

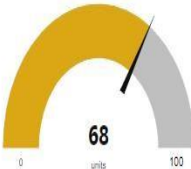


8 units

MOTOR ON

MOTOR OFF

moisture




68 units

FEILDS

ph	8
Water Turbidity	86
moisture	68
nutrients	46
salinity	35
Dissolved Oxygen	32

Water Turbidity



Time	Water Turbidity
15:33:00	86
15:36:00	42.5
15:38:00	86