SPRINT 4

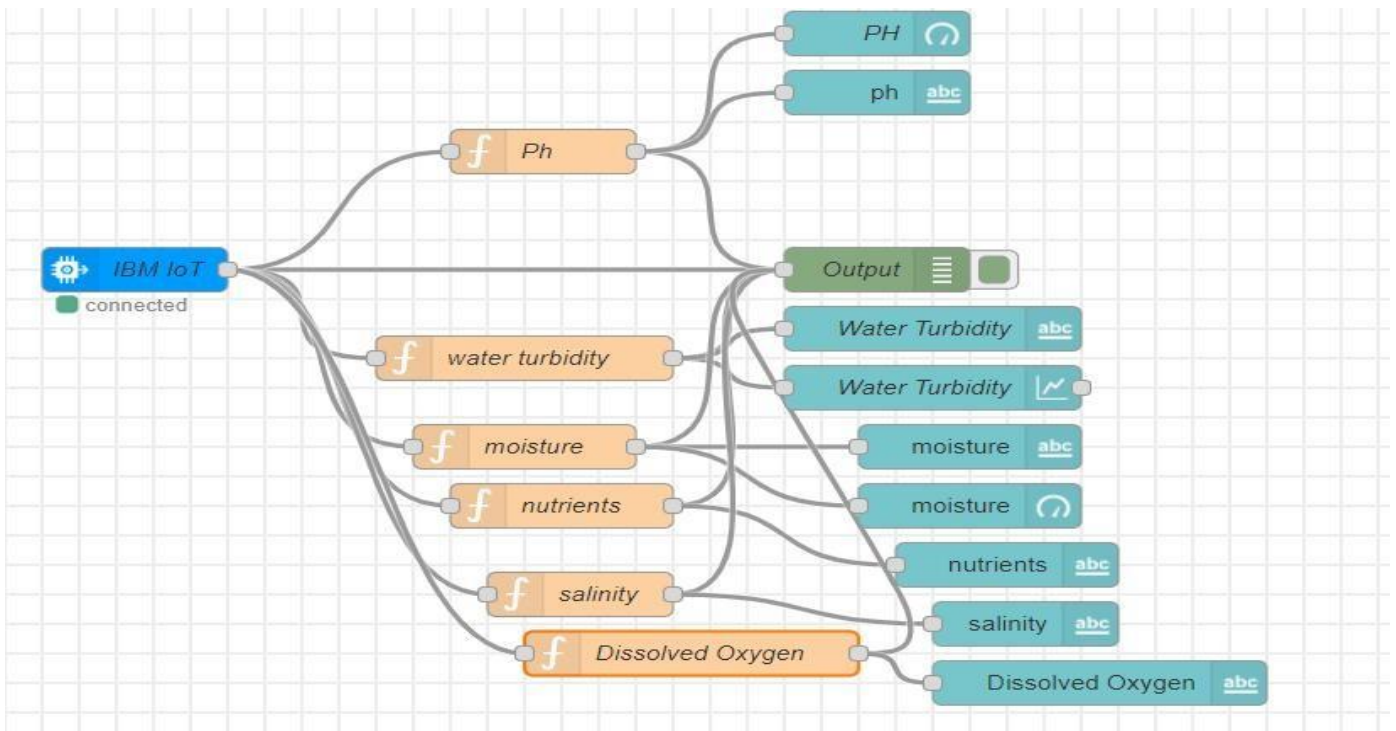## TEAM ID: PNT2022TMID51591

REAL TIME RIVER WATER 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

Edit function node

Delete   Cancel

0 Properties

0 name   water turbidity

O Setup   On Start   On Message   On Stop

```
1  '"g'lobal..'se'c("Jate/_Turbidity'"',msg'. payload'.Water_Turbi'dil,j
2  msg.pay'load = msg.pay'load.Water Tu bidity
3  retur< msg;
```

O Enabled

Edit 'funcfion node

Delete   Cancel

'0 › Name   moisture

0 Setup   Oh Stair   On Message   On Stop

```
   global.set("moisture",msg.payload.moisture)
2 msg.payload = msg.payload.moisture
```

Ed1 function node

Delete

Cancel   Done

⚙ Properties   ⚙ 📄 🔲

6 Name   nutñents   📑▾

0 Setñp   On Sait   **On Message**   On Stop

'' .'   global.set('uutrients',mgg.pgyload.¿.uutnieuts)
  2   msg.payload = msg.payload.nutrients

○ Enabled

Edit function n'6de

eye

Cancel   Done

0 Properties   ⚙ 📄 🔲
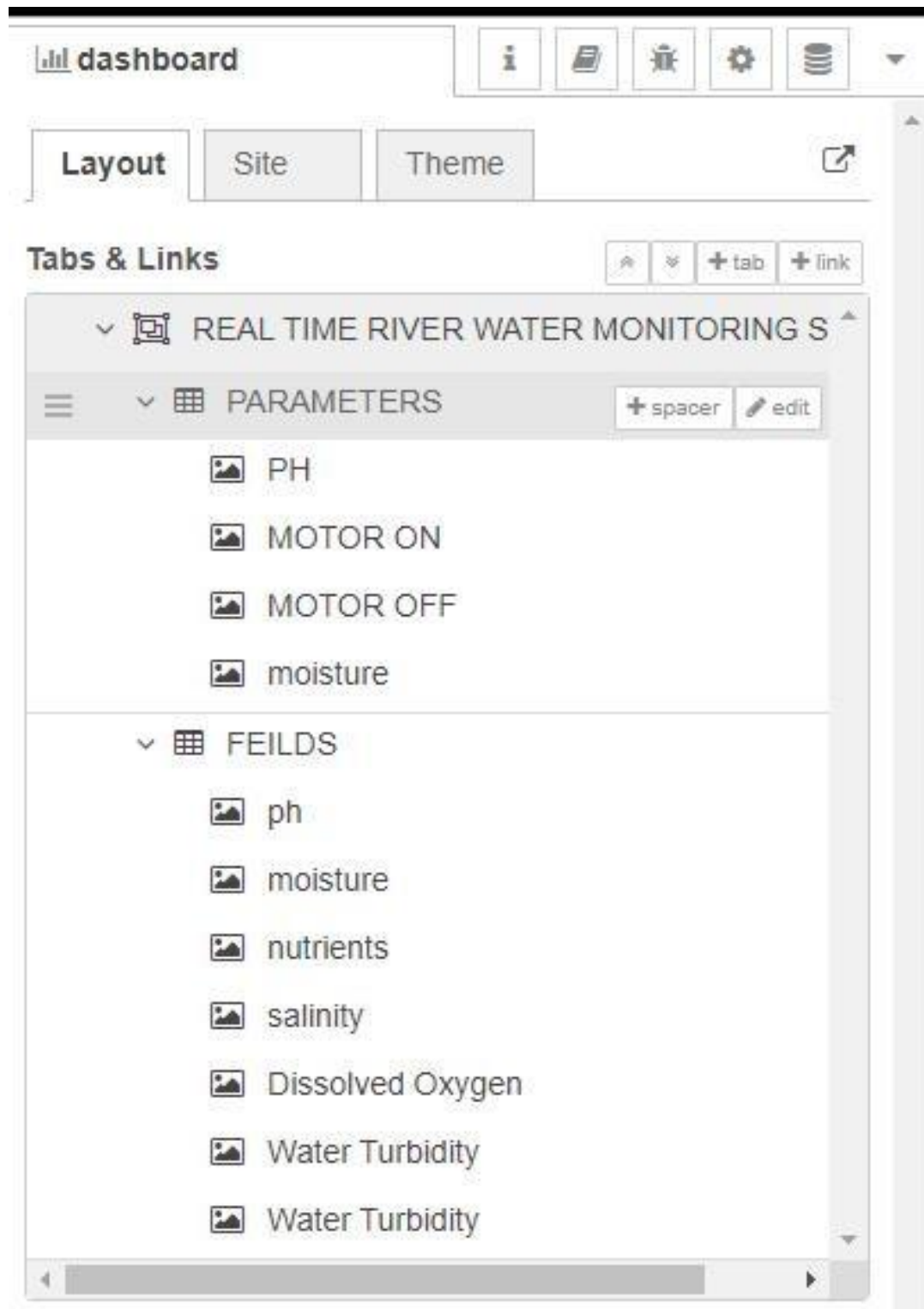
WName   salinity   📑▾

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

○ Enabled
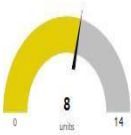
UI

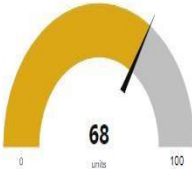# REAL TIME RIVER WATER MONITORING SYSTEM

PARAMETERS

Ph

0   8   14
    units

MOTOR ON

MOTOR OFF

moisture

0   68   100
    units

FEILDS

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

Water Turbidity