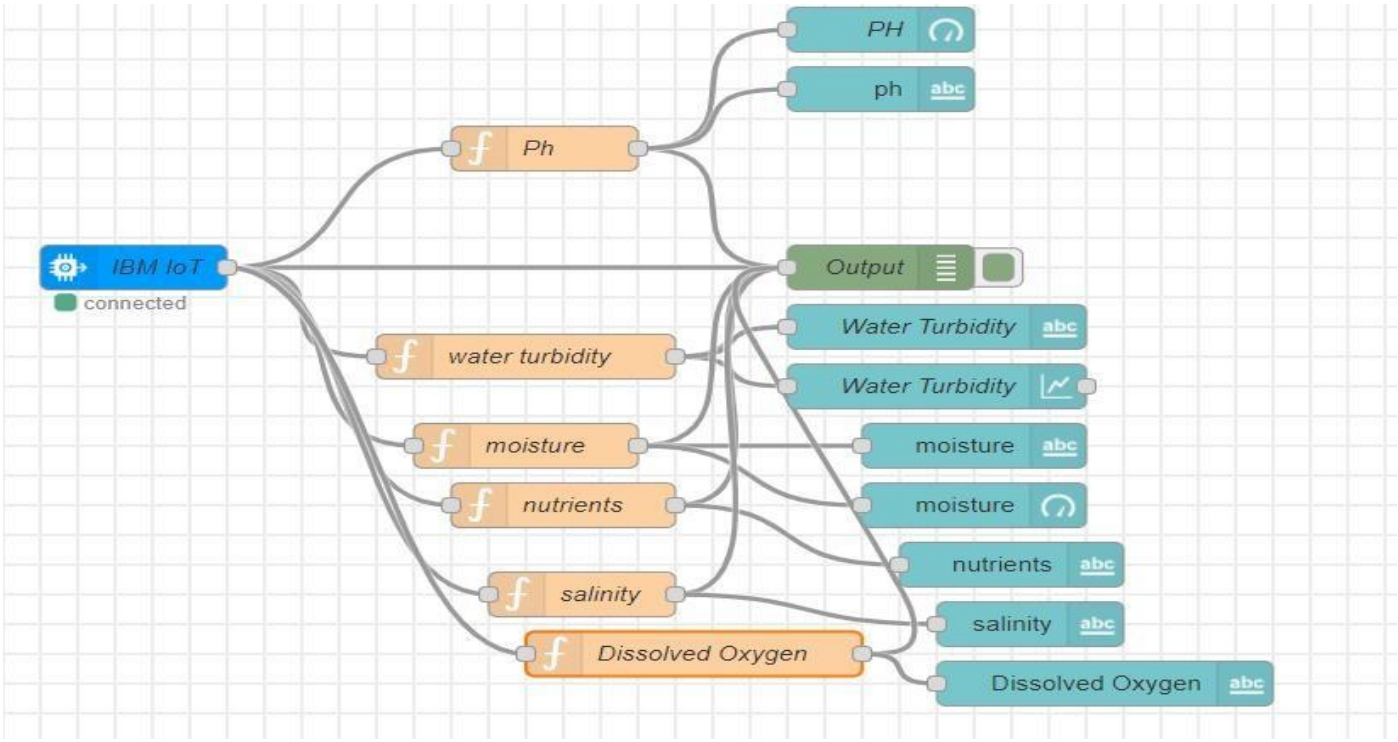
SPRINT 4

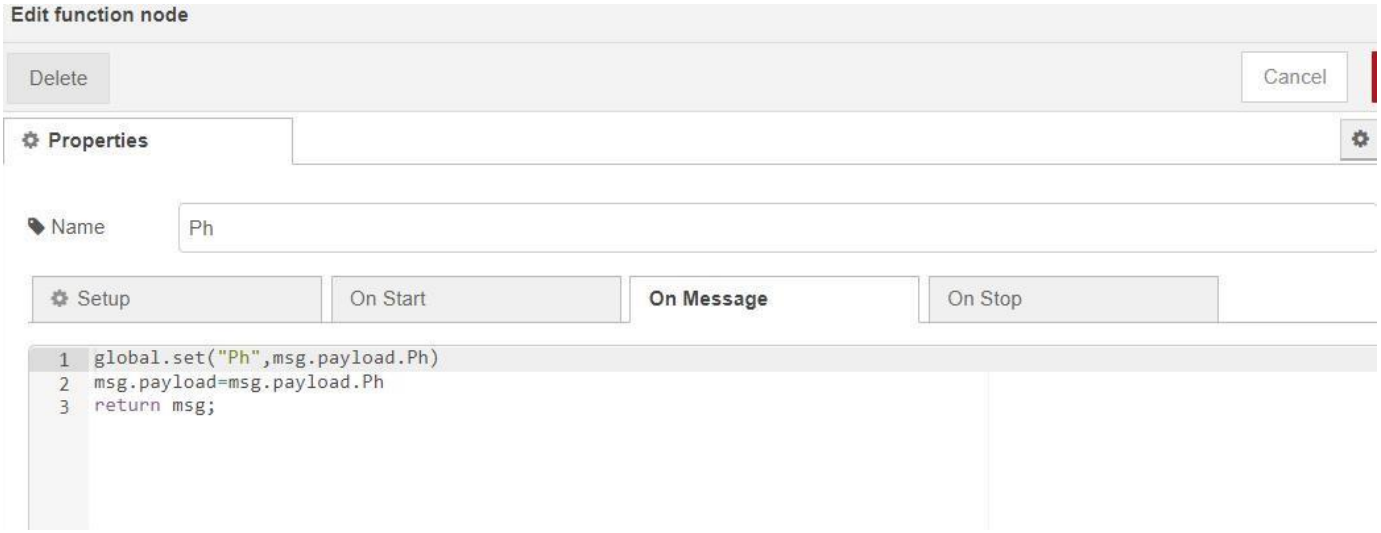
TEAM ID: PNT2022TMID23156

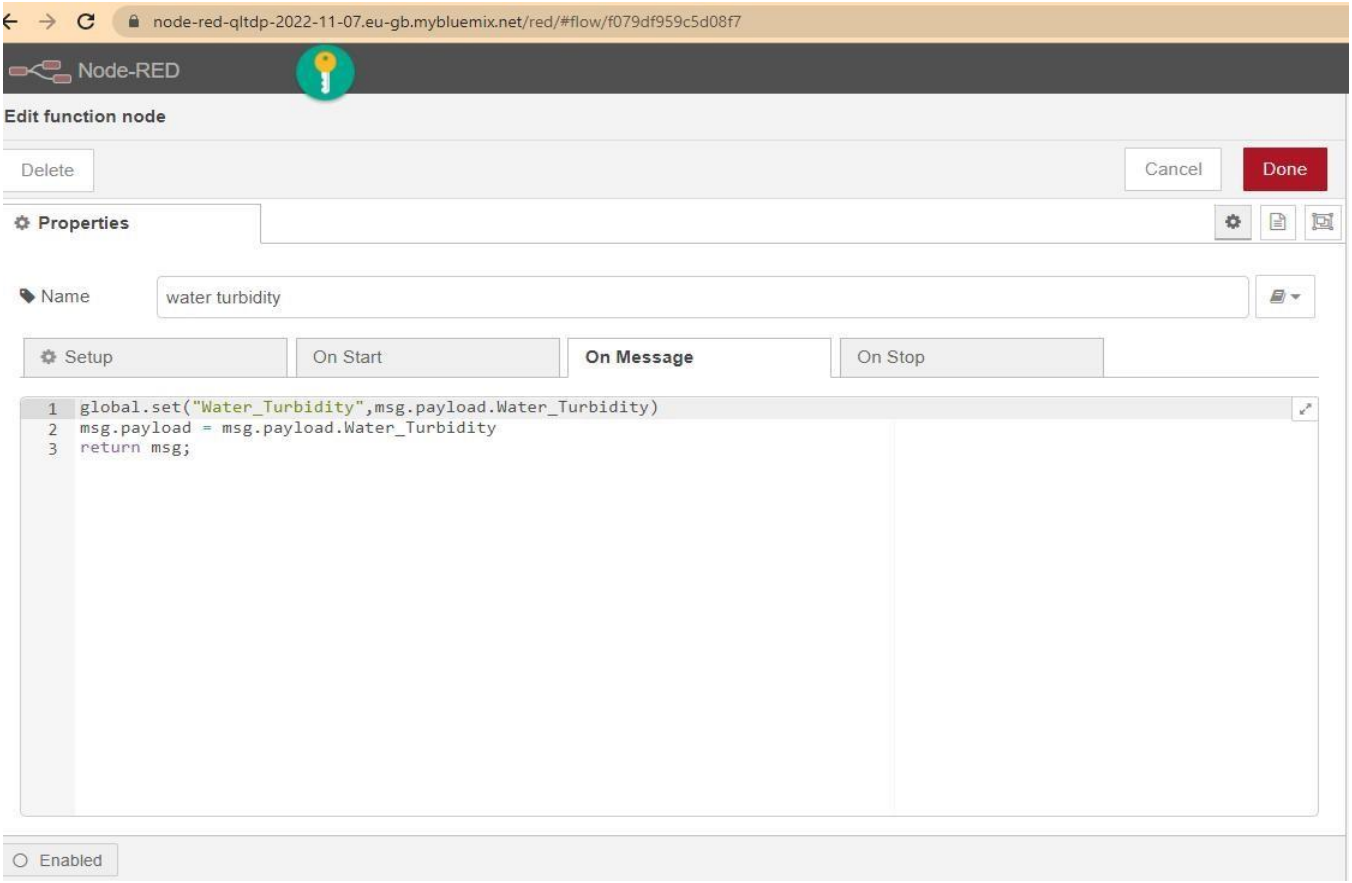
REAL TIME RIVER QUALITY MONITORING AND CONTROL SYSTEM

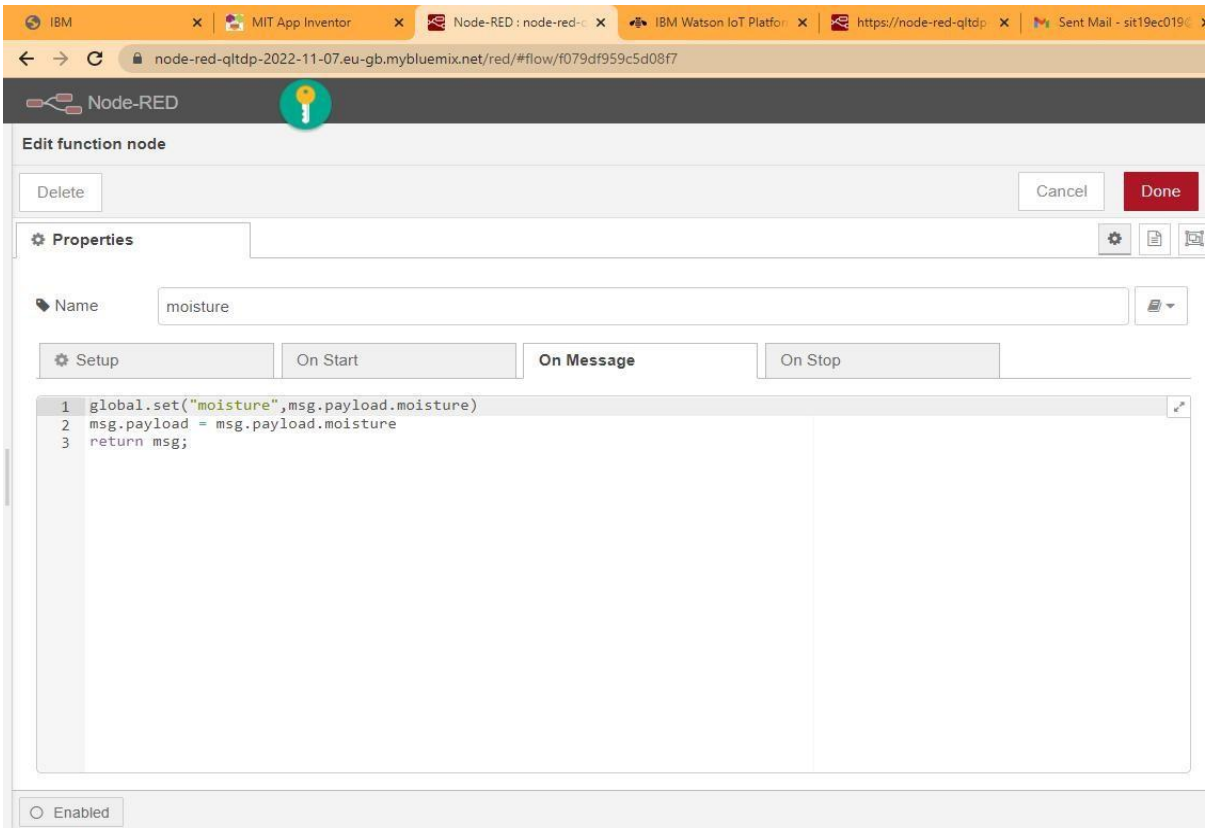
NODE RED UI:

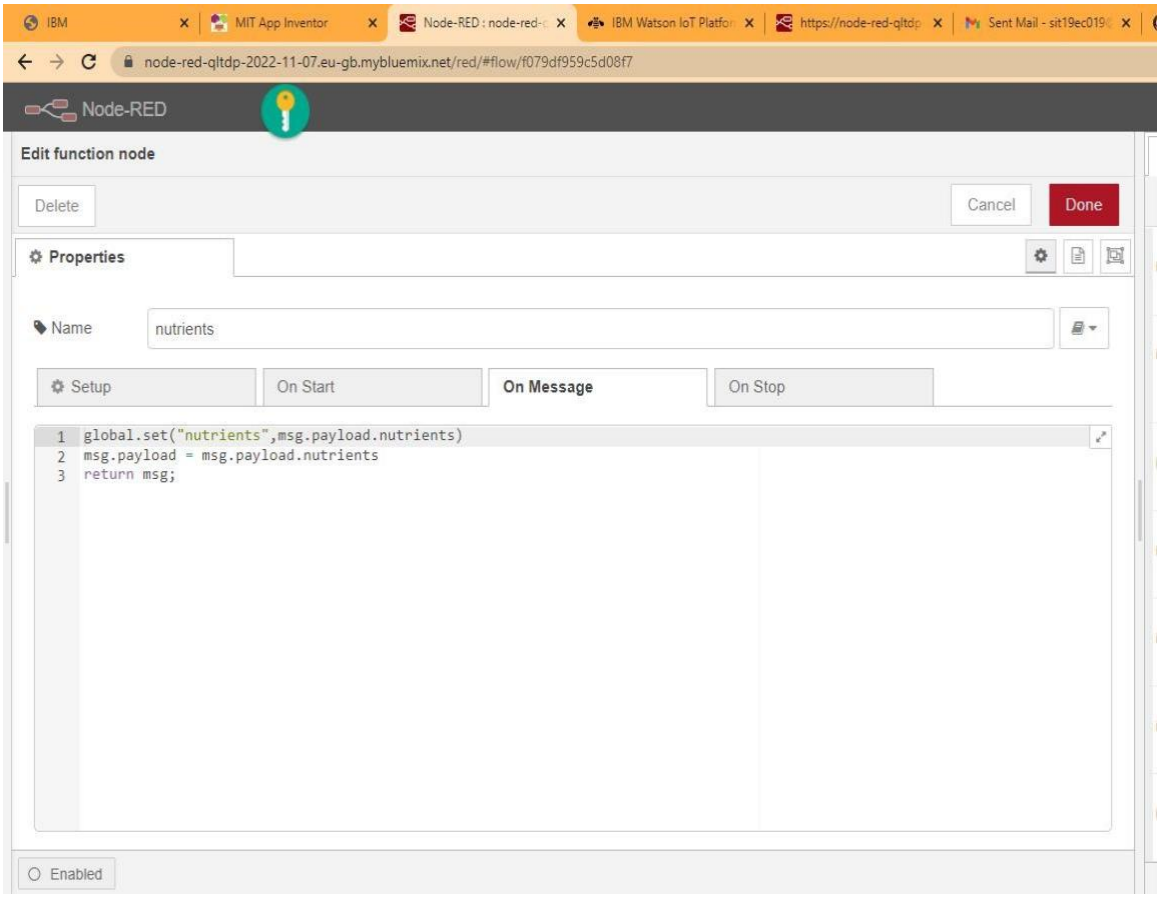
Node-red-dashboard

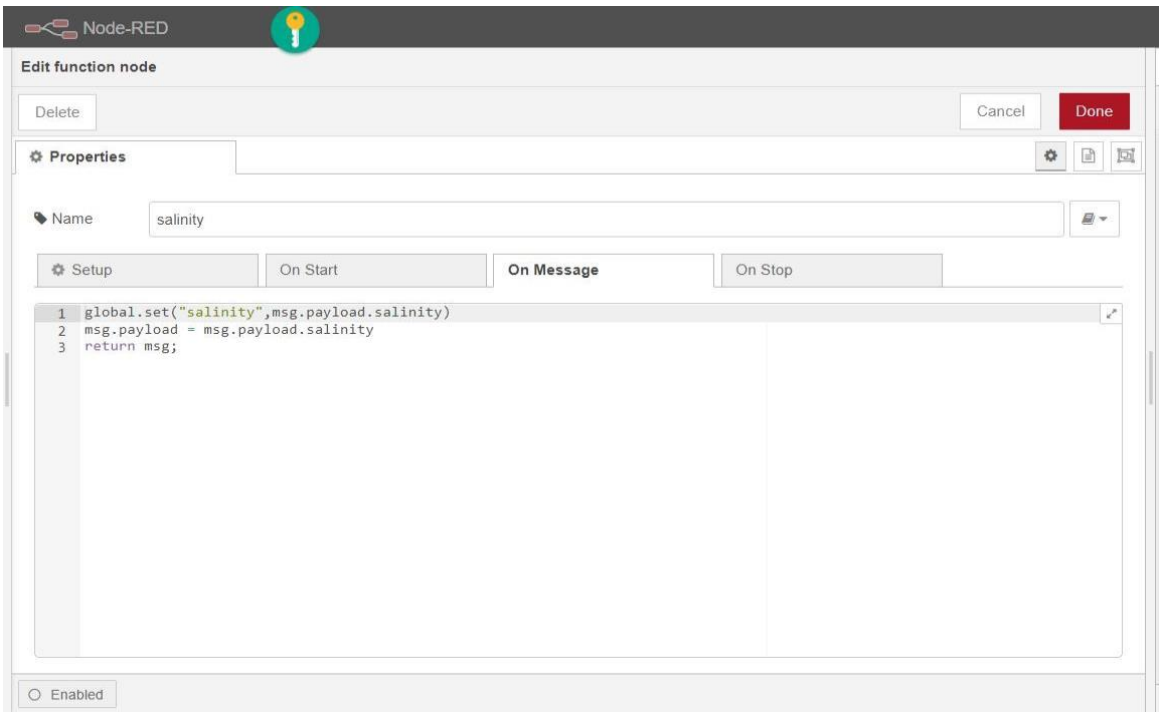




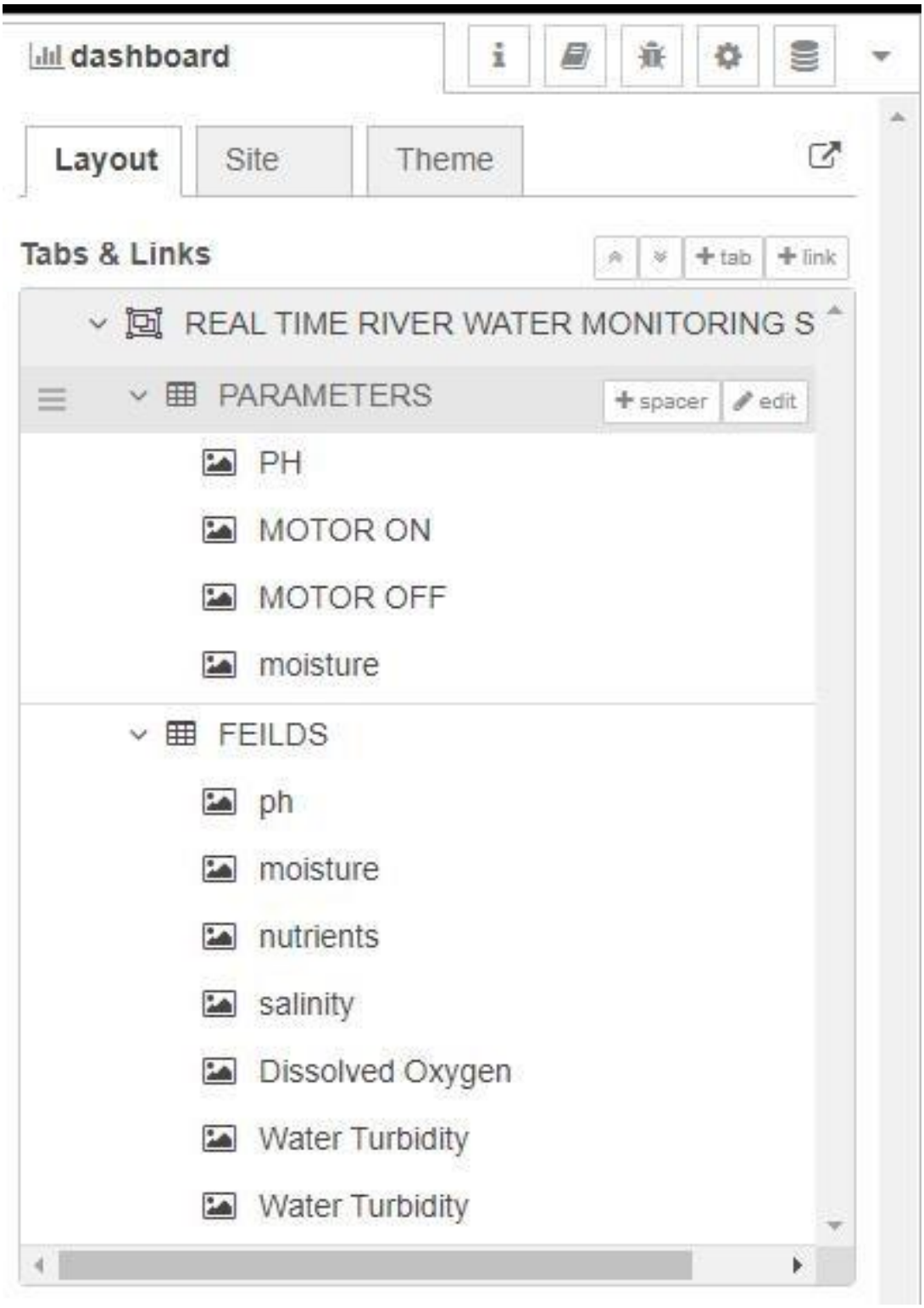

node-red-qltdp-2022-11-07.eu-gb.mybluemix.net/red/#flow/f079df959c5d08f7
Node-RED
Edit function node
Delete
Cancel
Done
Properties
Name
water turbidity
Setup
On Start
On Message
On Stop
1 global.set("Water_Turbidity",msg.payload.Water_Turbidity)
2 msg.payload = msg.payload.Water_Turbidity
3 return msg;
Enabled


IBM
MIT App Inventor
Node-RED : node-red-c
IBM Watson IoT Platfor
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 Platfor
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


dashboard
Layout
Site
Theme
Tabs & Links
+ tab
+ link
REAL TIME RIVER WATER MONITORING S
PARAMETERS
+ spacer
edit
PH
MOTOR ON
MOTOR OFF
moisture
FEILDS
ph
moisture
nutrients
salinity
Dissolved Oxygen
Water Turbidity
Water Turbidity

REAL TIME RIVER WATER MONITORING SYSTEM

PARAMETERS

Ph

MOTOR ON

MOTOR OFF

moisture

FEILDS

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

Water Turbidity