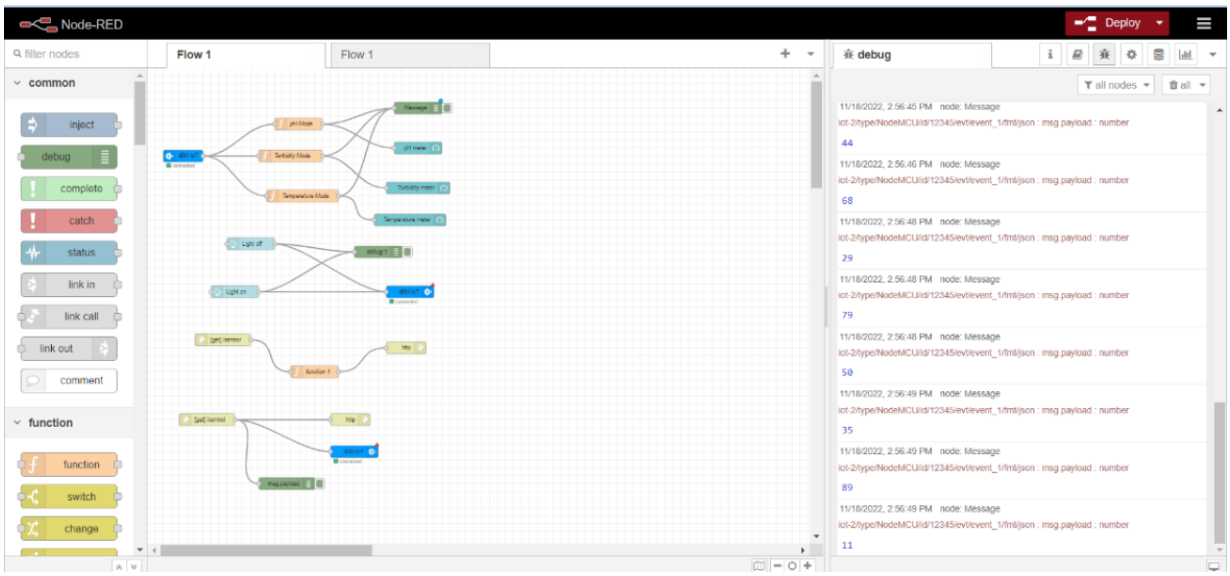
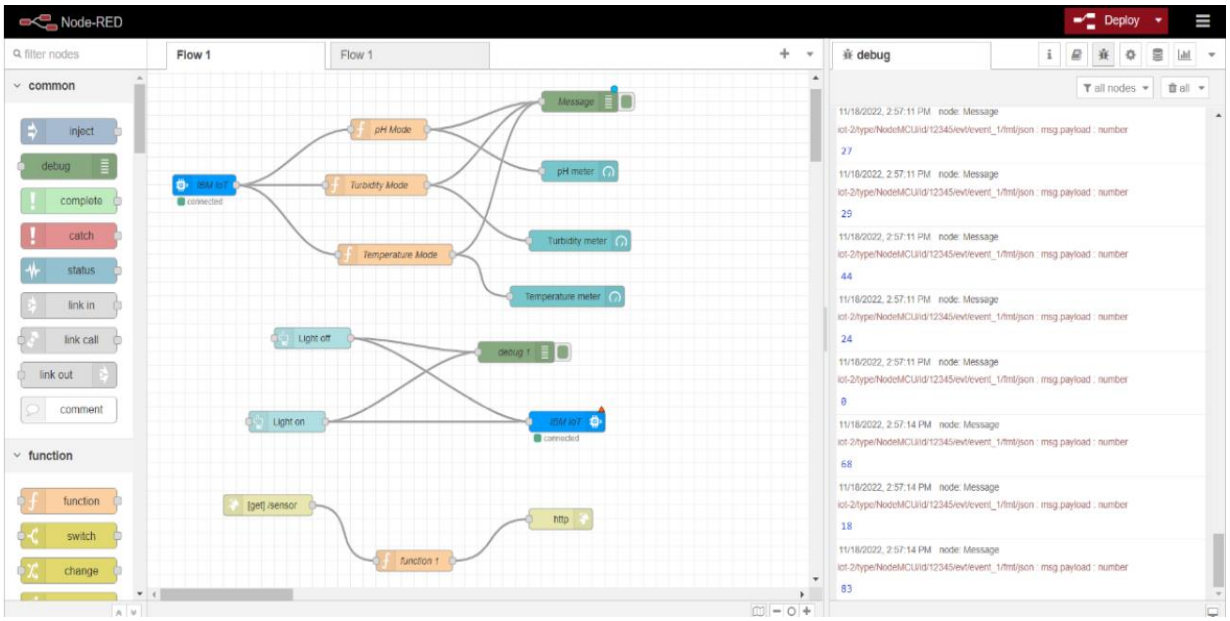
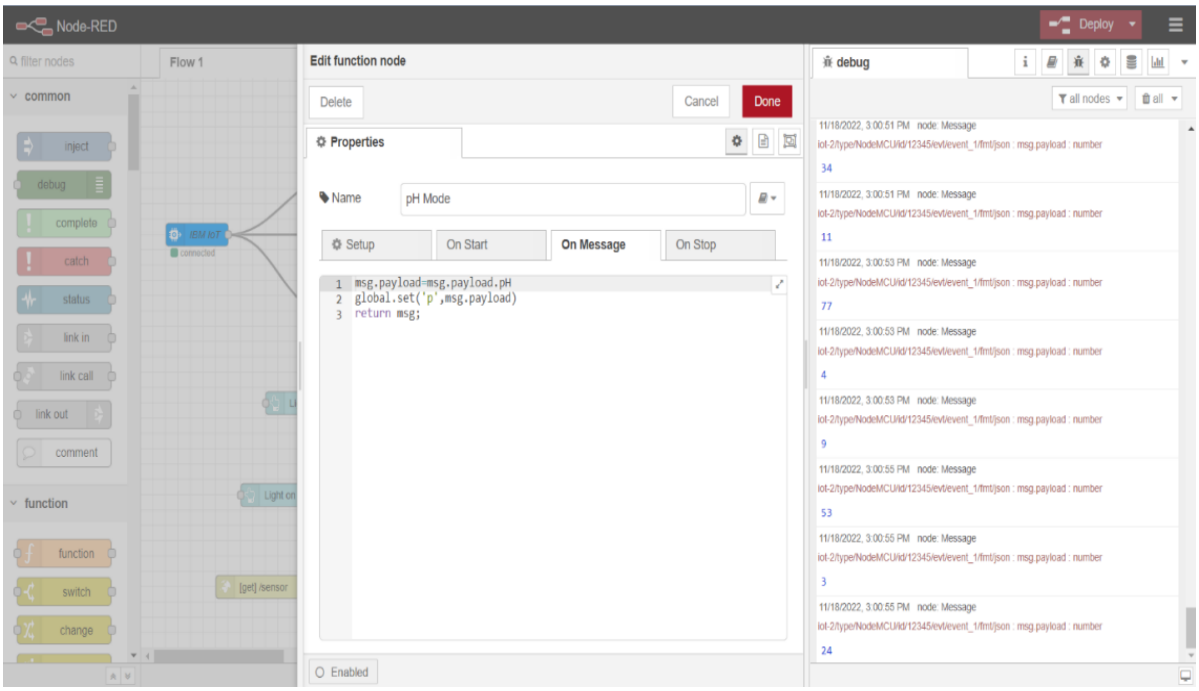
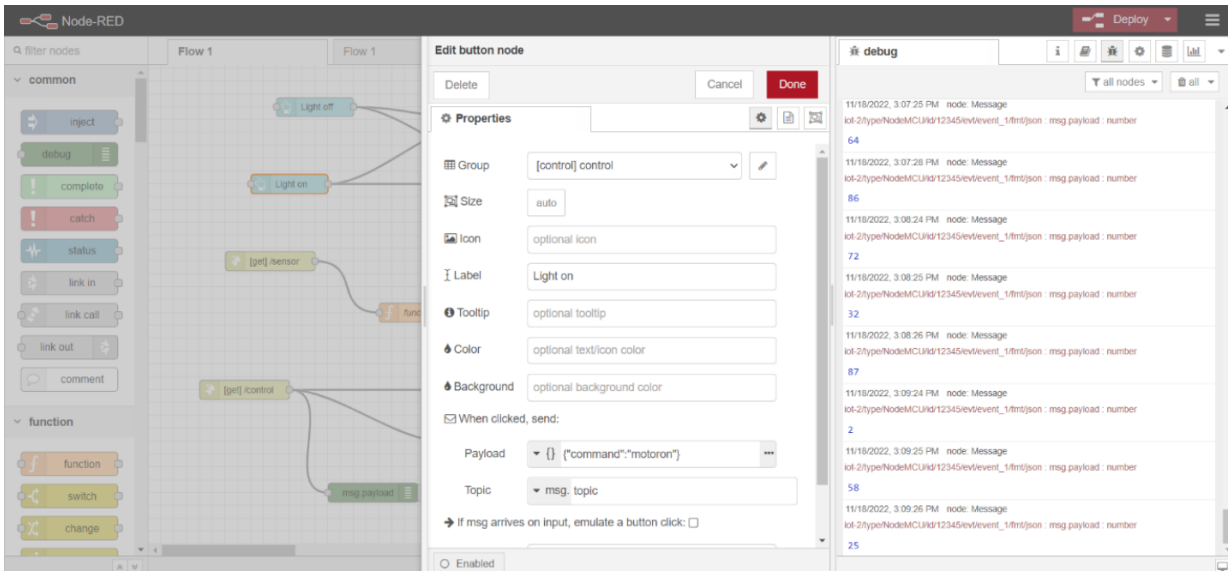
NODE RED ARCHITECTURE

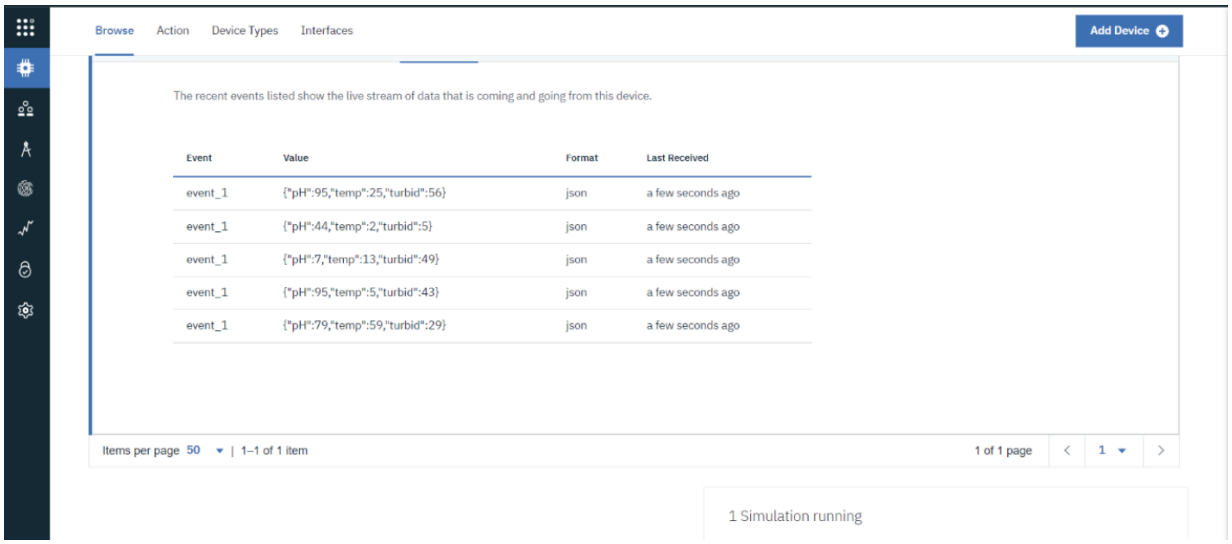
TEAM ID	PNT2022TMID23838
Project Name	REAL-TIME RIVER WATER QUALITY MONTORING AND CONTROL SYSTEM
Leader Name	BHUVANESHWARI SRIDHAR S
Team Members Name	BAVANI P DIVEDHA V KAVIYARASI P

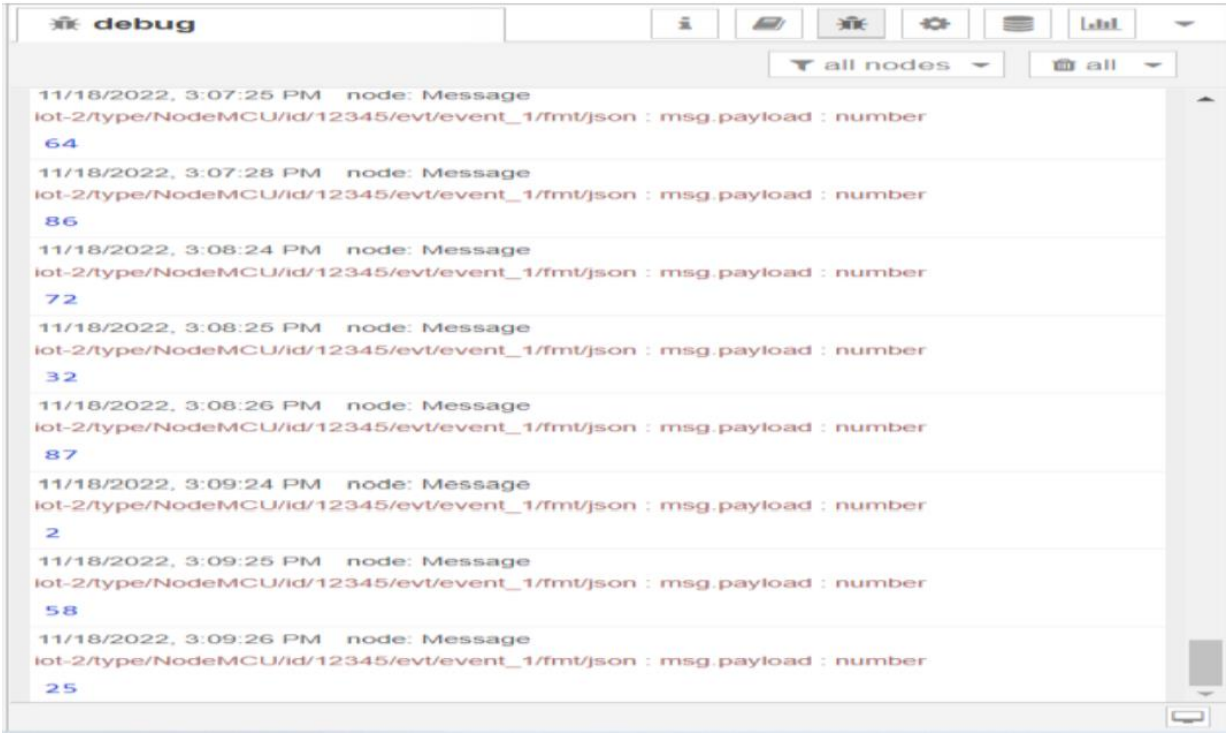



Node-RED
Deploy
filter nodes
Flow 1
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
pH Mode
Turbidity Mode
Temperature Mode
Message
pH meter
Turbidity meter
Temperature meter
Light off
debug 1
Light on
[get] /sensor
function 1
http
debug
all nodes
all
11/18/2022, 2:57:11 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
27
29
44
24
0
11/18/2022, 2:57:14 PM node: Message
68
18
83


Node-RED
Deploy
Edit function node
Delete
Cancel
Done
Properties
Name
pH Mode
Setup
On Start
On Message
On Stop
1 msg.payload=msg.payload.pH
2 global.set('p',msg.payload)
3 return msg;
Enabled
debug
all nodes
all
11/18/2022, 3:00:51 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
34
11
11/18/2022, 3:00:53 PM node: Message
77
4
9
11/18/2022, 3:00:55 PM node: Message
53
3
24


Node-RED
Deploy
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
Light off
Light on
[get] /sensor
[get] /control
msg.payload
Edit button node
Delete
Cancel
Done
Properties
Group
[control] control
Size
auto
Icon
optional icon
Label
Light on
Tooltip
optional tooltip
Color
optional text/icon color
Background
optional background color
When clicked, send:
Payload
{"command":"motoron"}
Topic
msg.
topic
If msg arrives on input, emulate a button click:
Enabled
debug
all nodes
all
11/18/2022, 3:07:25 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
64
11/18/2022, 3:07:28 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
86
11/18/2022, 3:08:24 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
72
11/18/2022, 3:08:25 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
32
11/18/2022, 3:08:26 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
87
11/18/2022, 3:09:24 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
2
11/18/2022, 3:09:25 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
58
11/18/2022, 3:09:26 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
25


Browse
Action
Device Types
Interfaces
Add Device
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
event_1
{"pH":95,"temp":25,"turbid":56}
json
a few seconds ago
event_1
{"pH":44,"temp":2,"turbid":5}
json
a few seconds ago
event_1
{"pH":7,"temp":13,"turbid":49}
json
a few seconds ago
event_1
{"pH":95,"temp":5,"turbid":43}
json
a few seconds ago
event_1
{"pH":79,"temp":59,"turbid":29}
json
a few seconds ago
Items per page 50
1–1 of 1 item
1 of 1 page
1
1 Simulation running


debug
all nodes
all
11/18/2022, 3:07:25 PM node: Message
iot-2/type/NodeMCU/id/12345/evt/event_1/fmt/json : msg.payload : number
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11/18/2022, 3:07:28 PM node: Message
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