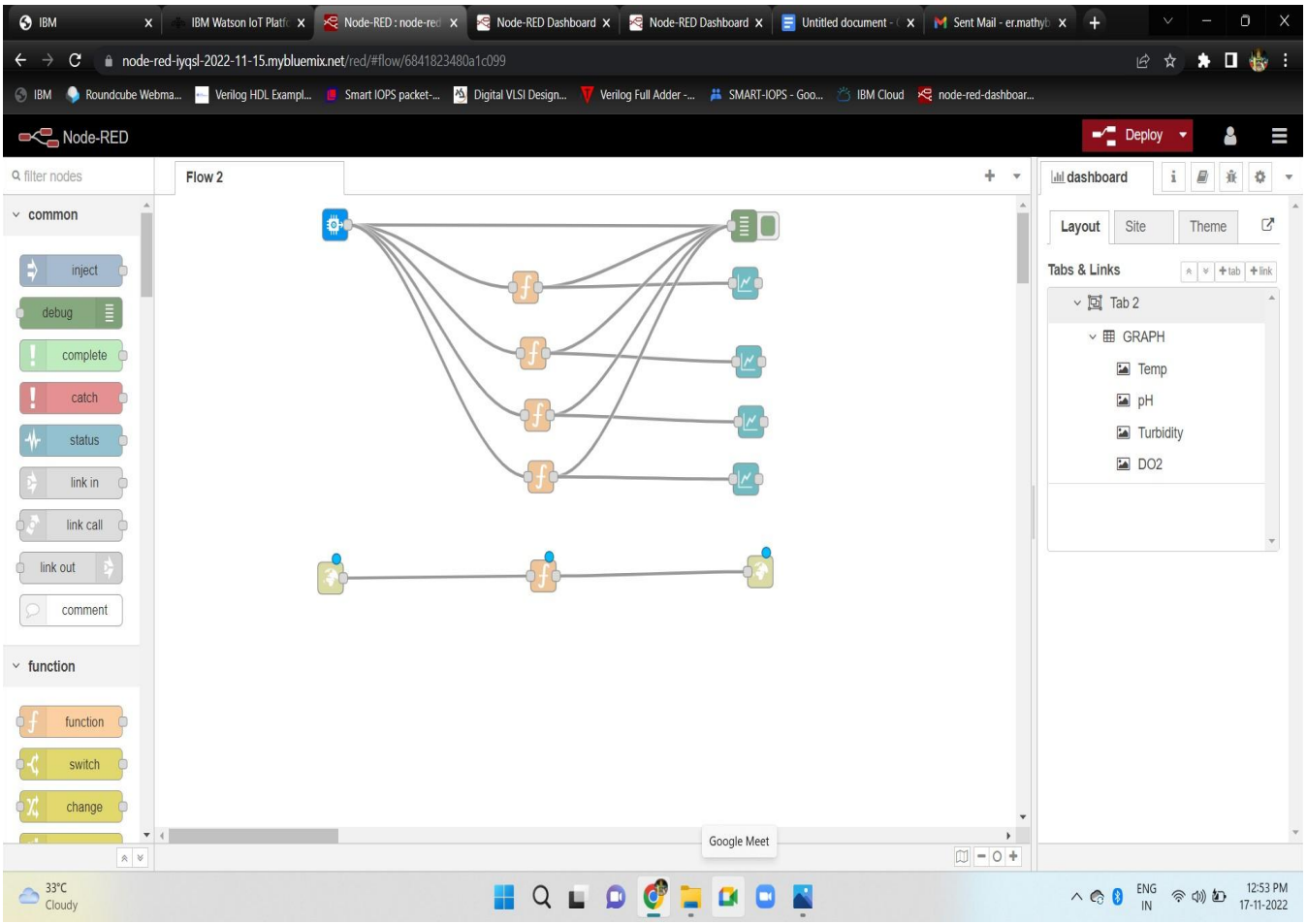
Real Time River Water Quality Monitoring and Control System

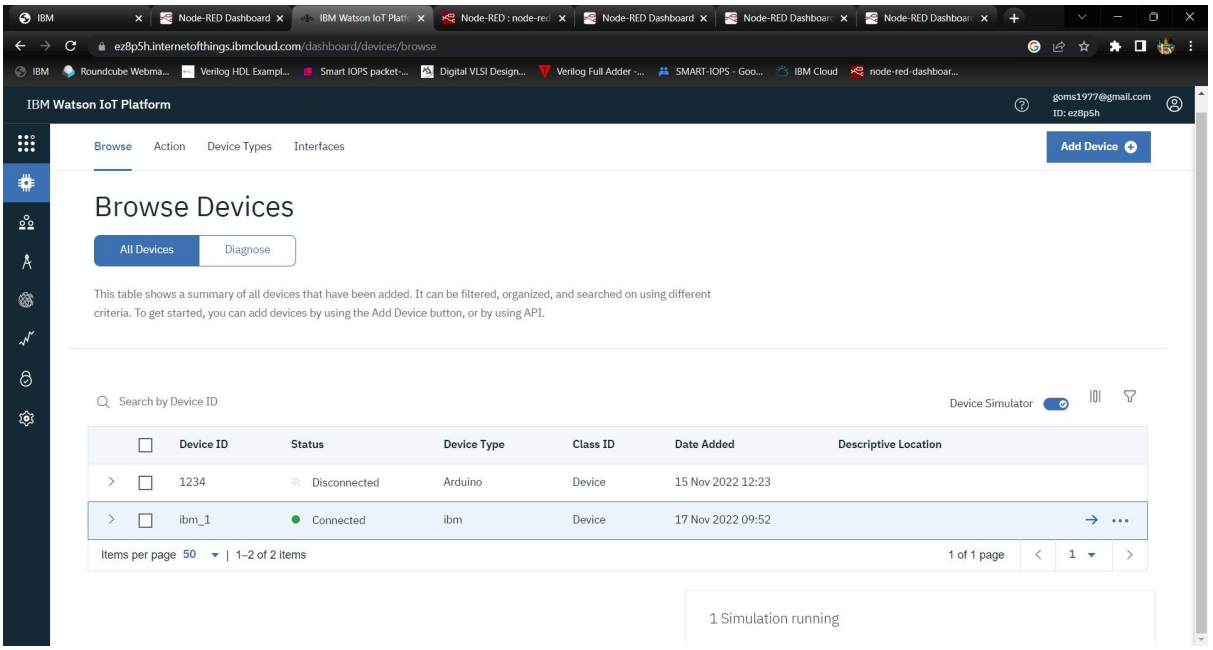
Team ID : PNT2022TMID33851

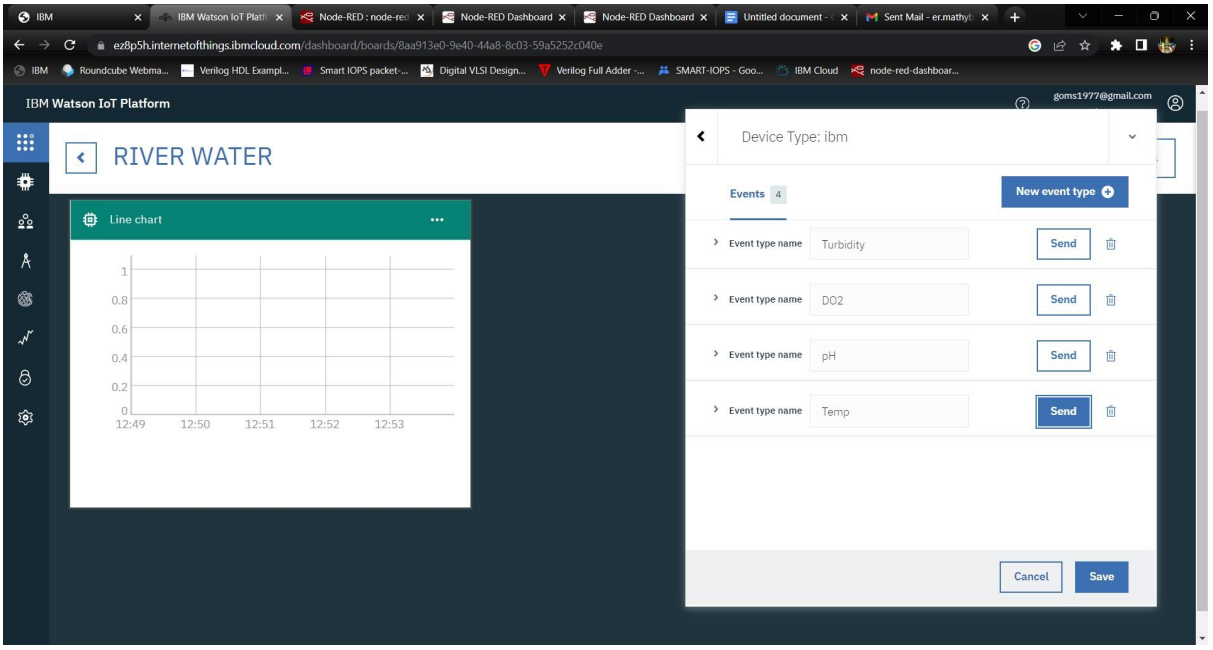
Develop A Web Application Using Node-RED Service.

Step 1: Develop The Web Application Using Node-RED

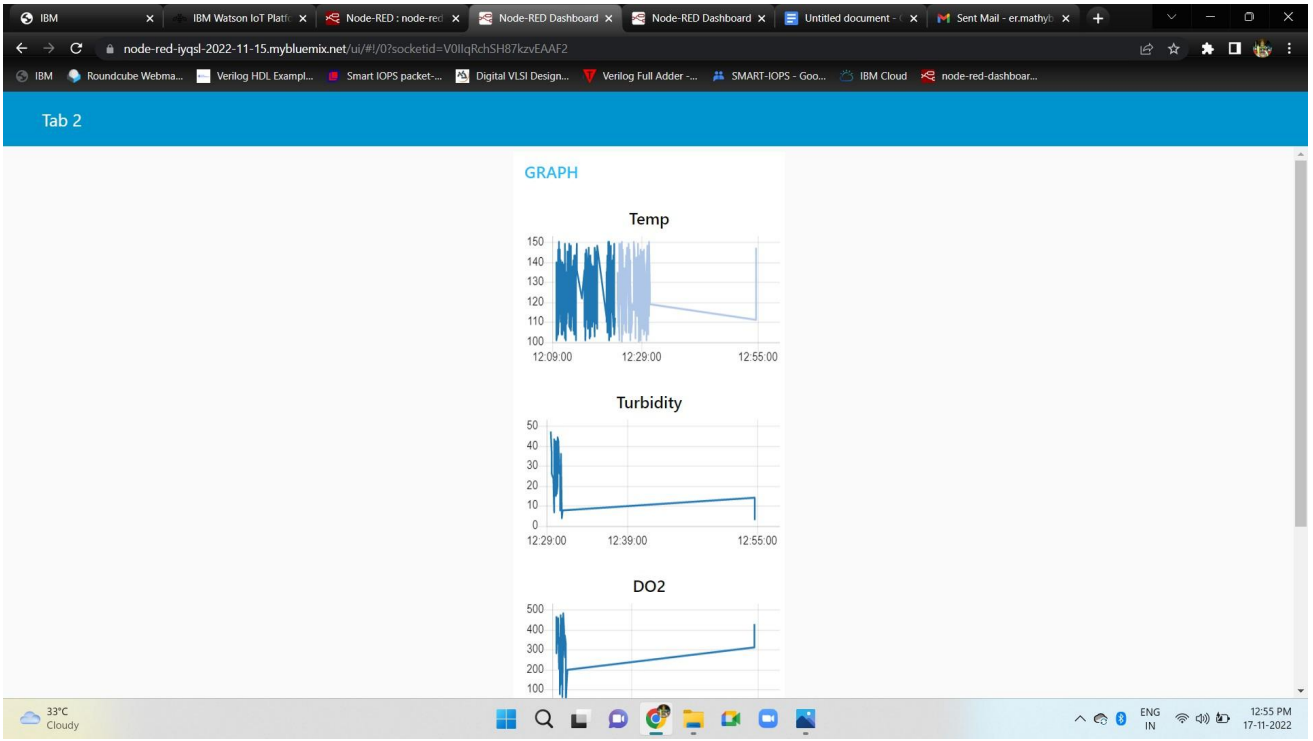


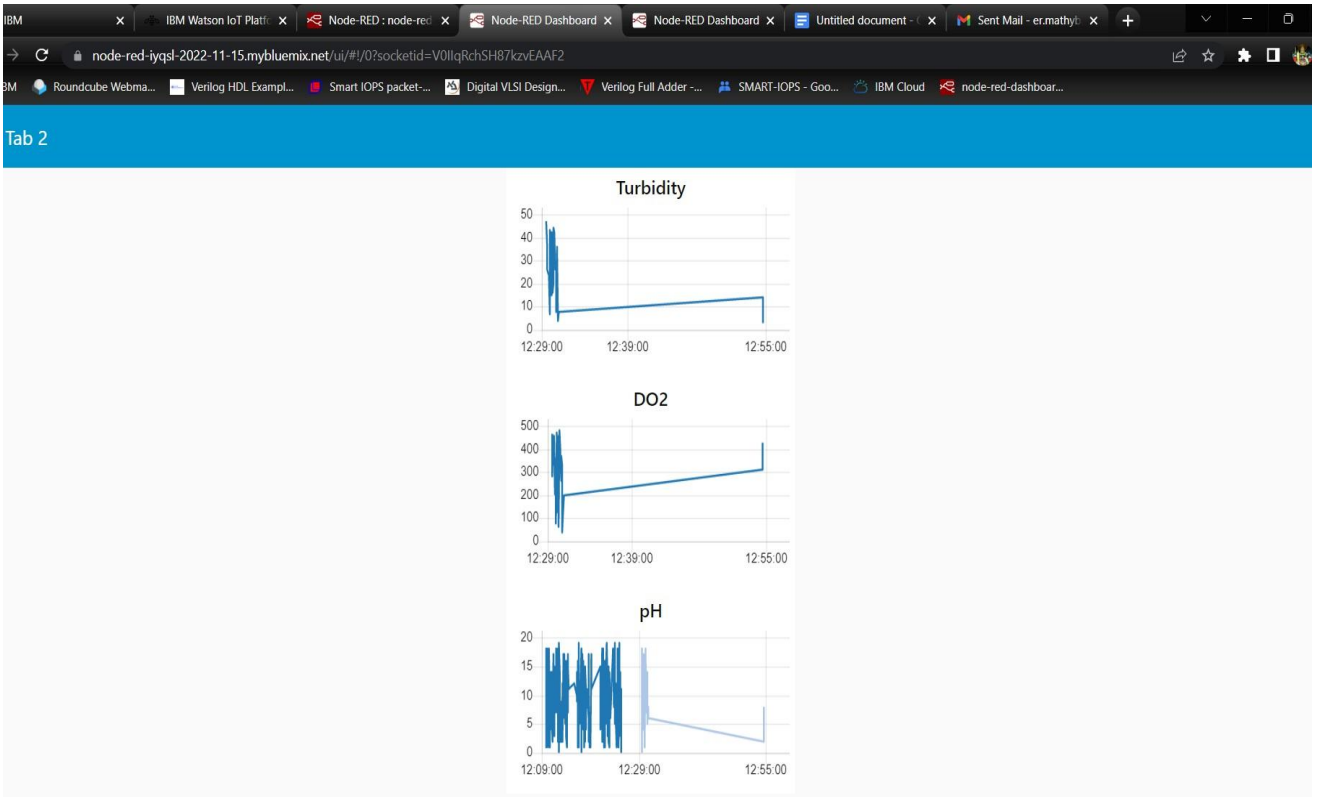
Step 2: Use Dashboard Nodes For Creating UI(Web App)





Output


node-red-iyqsl-2022-11-15.mybluemix.net/ui/#!/0?socketid=V0IlqRchSH87kzvEAAF2
Tab 2
GRAPH
Temp
150
140
130
120
110
100
12:09:00
12:29:00
12:55:00
Turbidity
50
40
30
20
10
0
12:29:00
12:39:00
12:55:00
DO2
500
400
300
200
100
33°C
Cloudy
ENG
IN
12:55 PM
17-11-2022


node-red-iyqsl-2022-11-15.mybluemix.net/ui/#!/0?socketid=V0IlqRchSH87kzvEAAF2
Tab 2
Turbidity
50
40
30
20
10
0
12:29:00
12:39:00
12:55:00
DO2
500
400
300
200
100
0
12:29:00
12:39:00
12:55:00
pH
20
15
10
5
0
12:09:00
12:29:00
12:55:00

Step 3: Create An HTTP Requests To Communicate With Mobile App