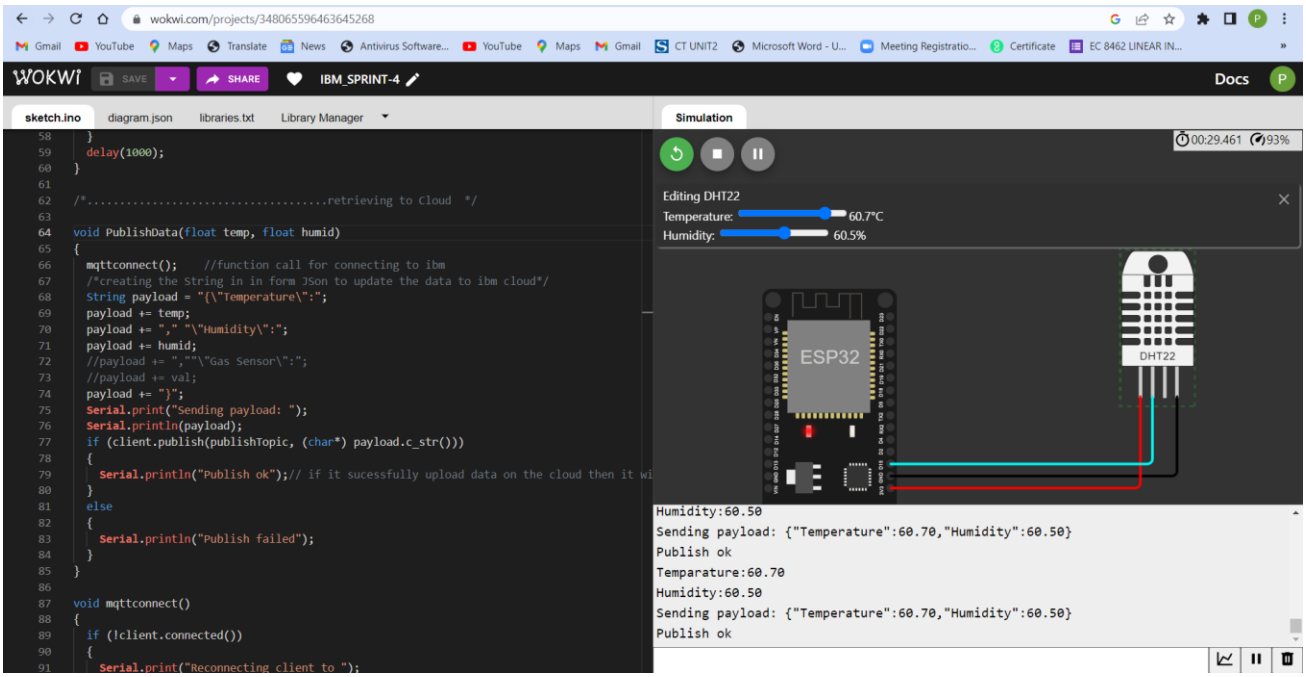
PROJECT DEVELOPMENT PHASE

SPRINT-4

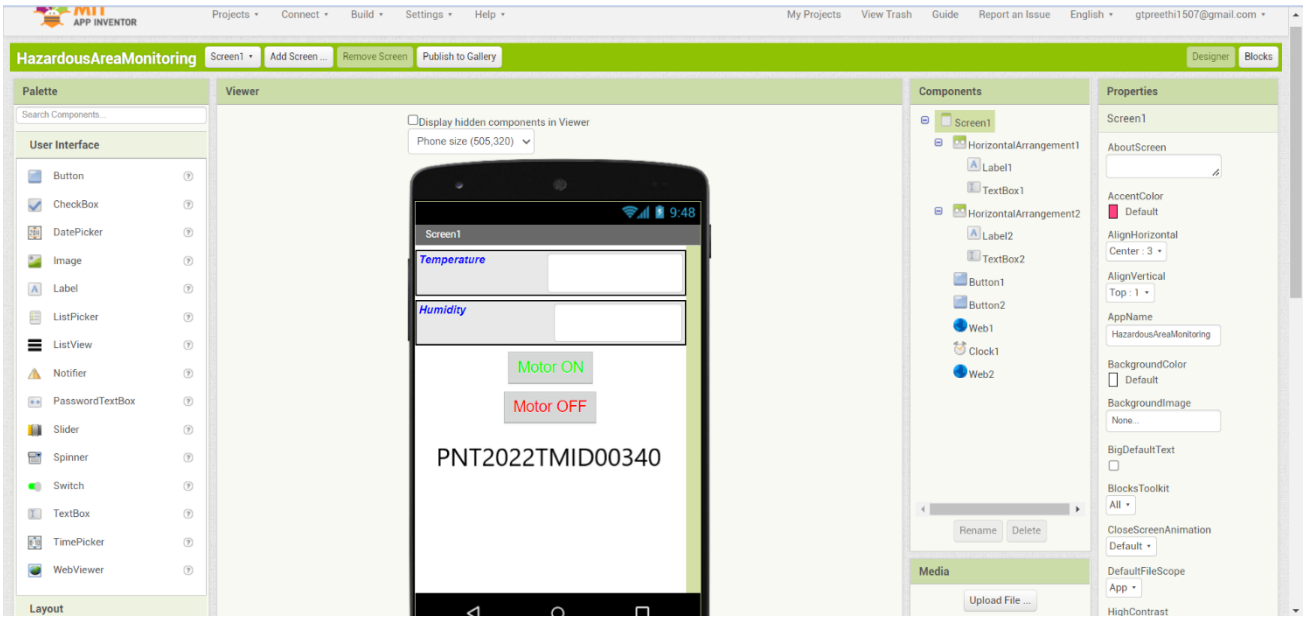
Date	12 November 2022
Team ID	PNT2022TMID00340
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

WOKIWI SIMULATION:

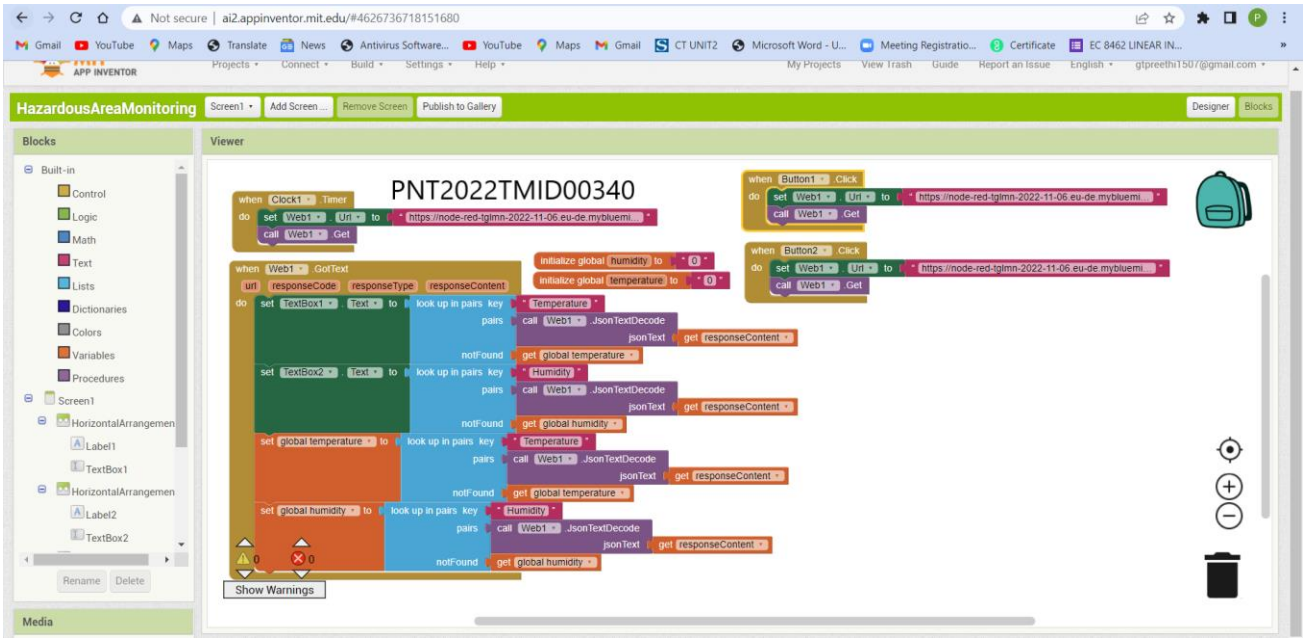


MIT-APP INVENTOR ➔

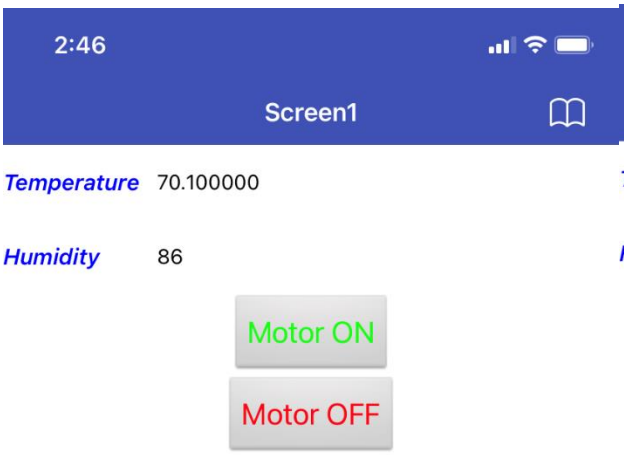
DESIGNER:

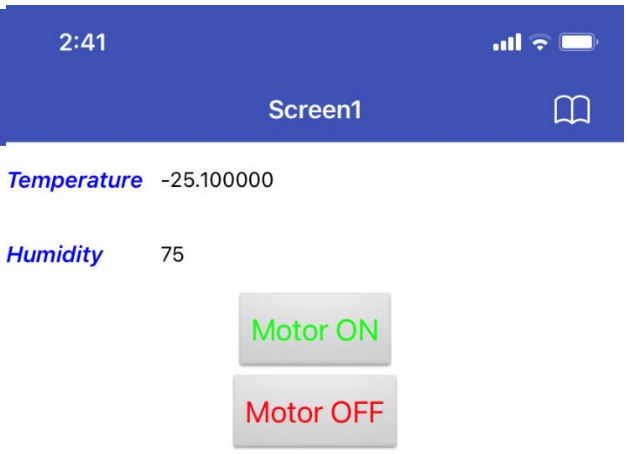


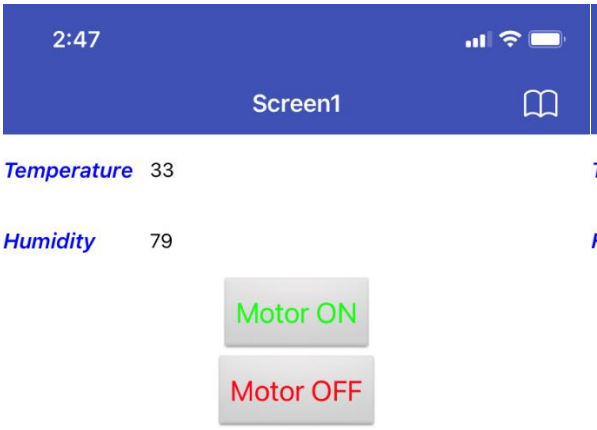
BLOCKS:

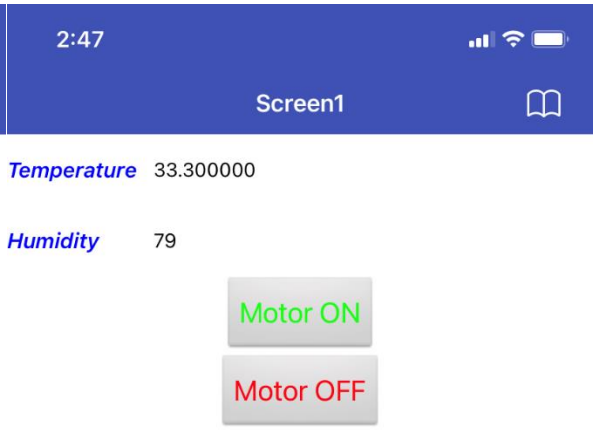


MOBILE APPLICATION:



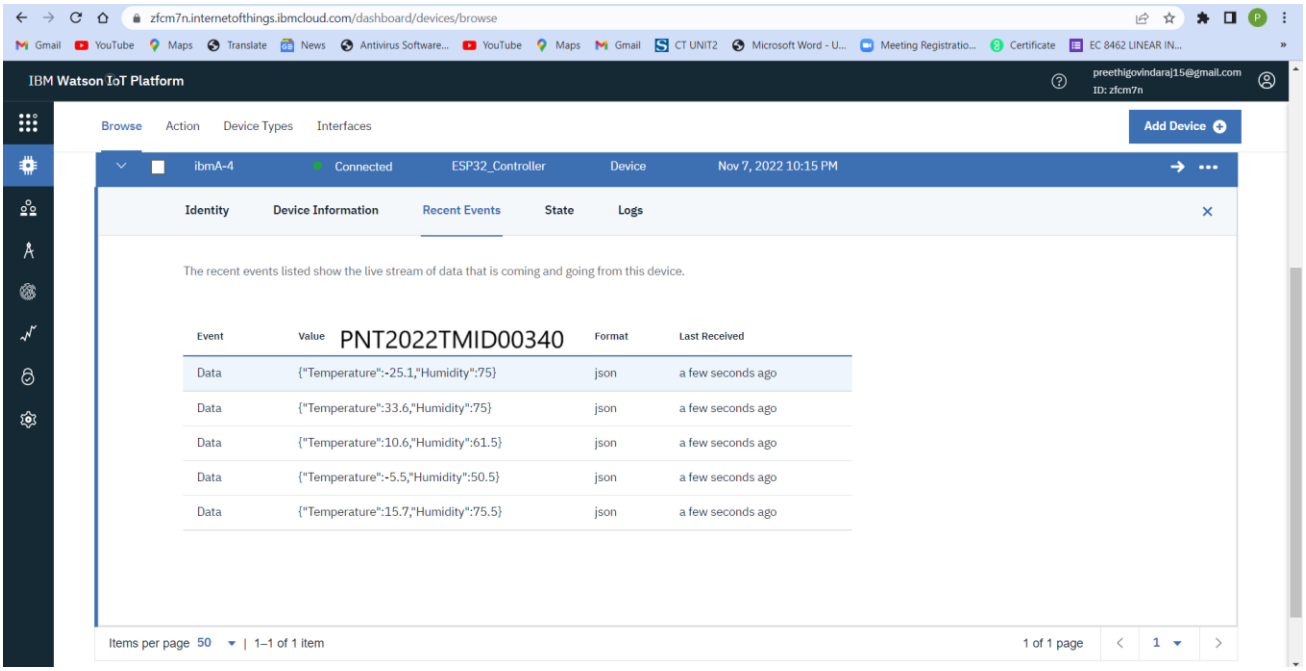



2:47
Screen1
Temperature 33
Humidity 79
Motor ON
Motor OFF

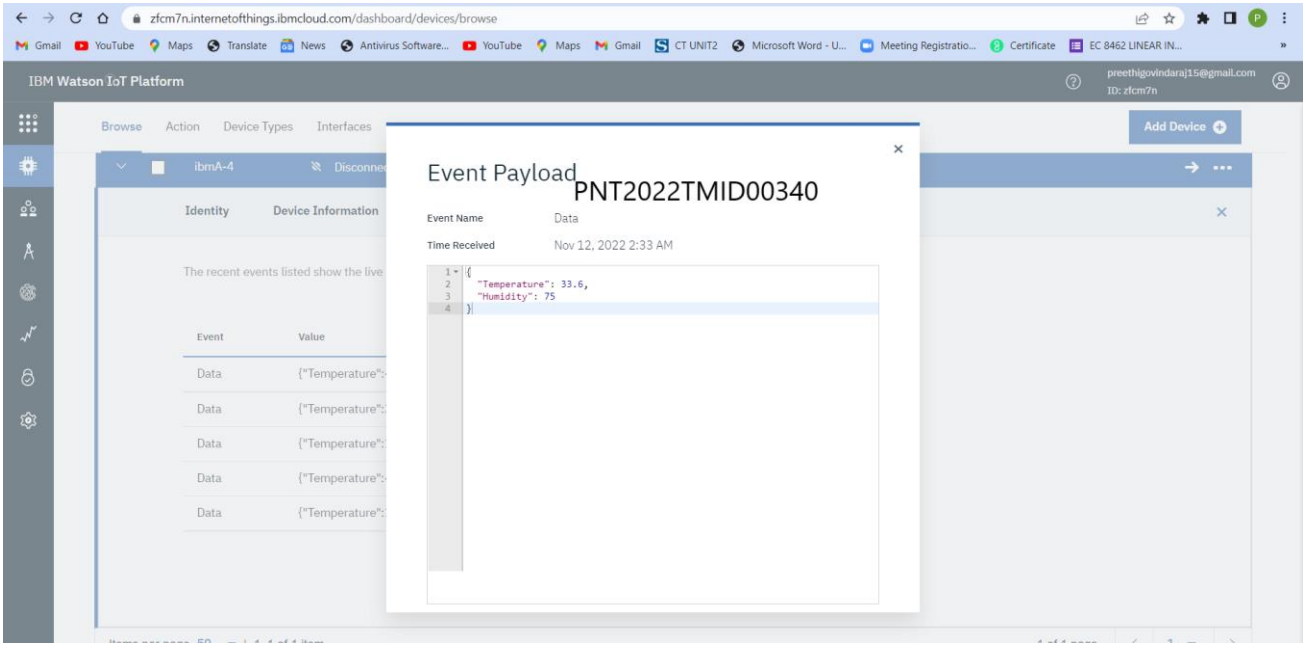

2:47
Screen1
Temperature 33.300000
Humidity 79
Motor ON
Motor OFF

IBM WATSON PLATFORM ➔

DEVICE EVENT LOG:

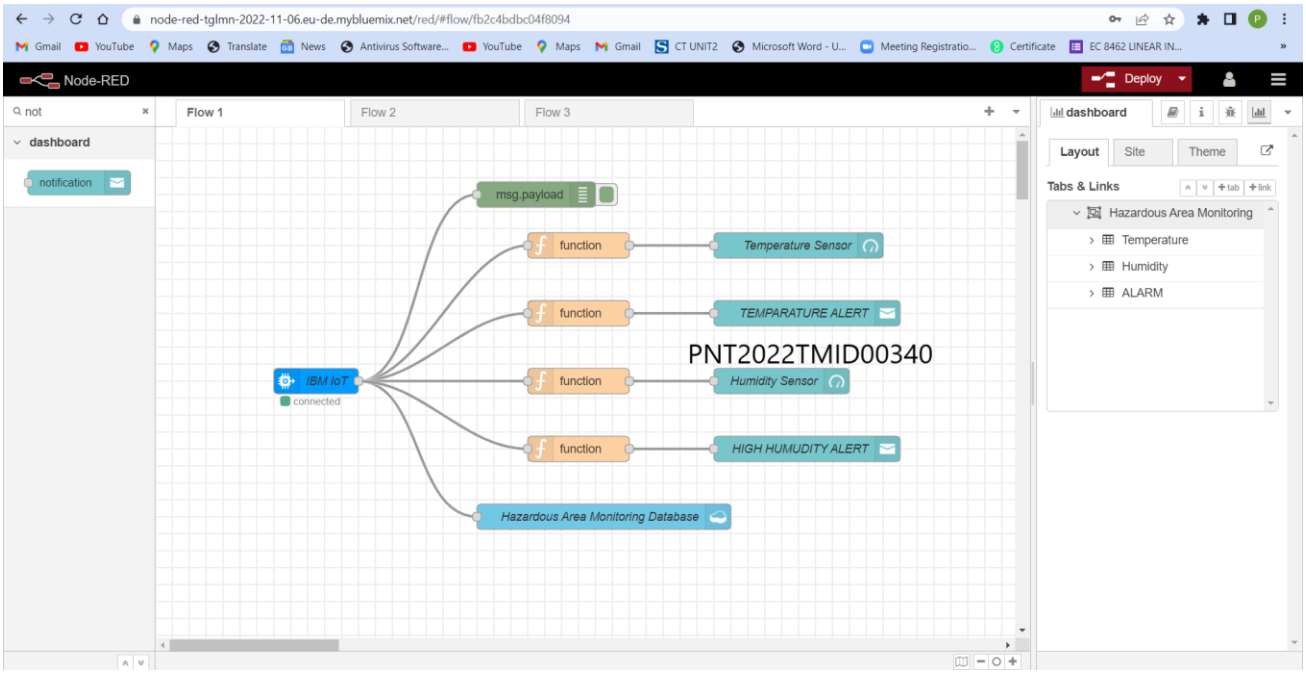


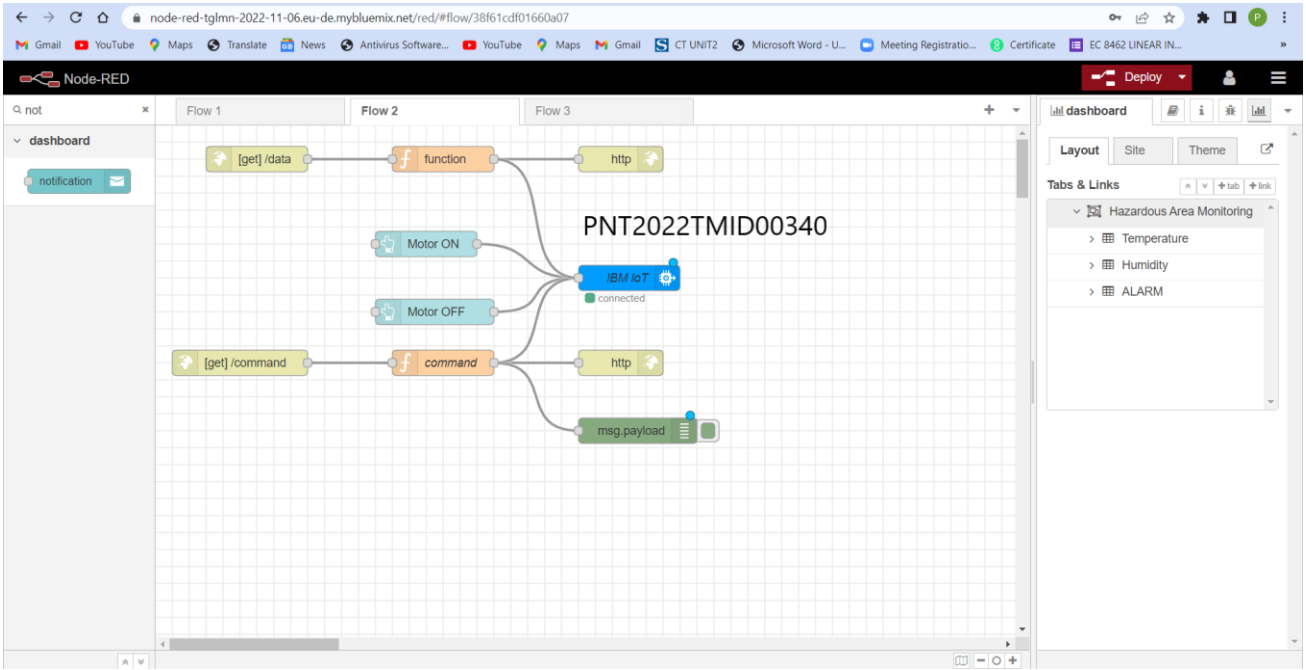
DEVICE EVENT PAYLOAD:



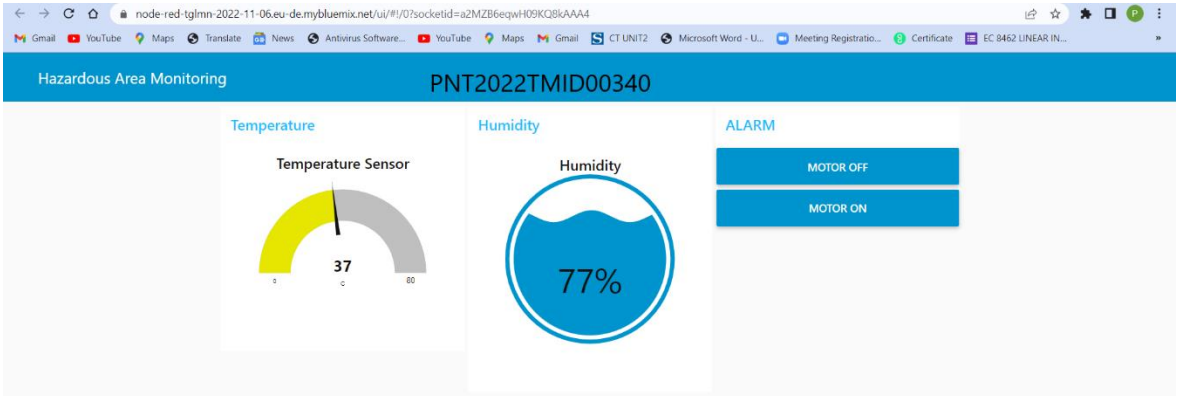
NODE-RED APP ➔

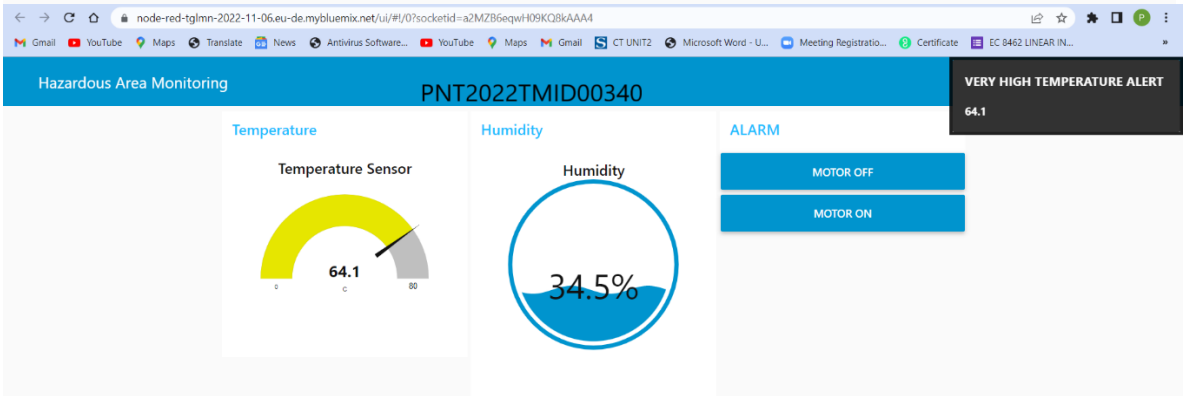
DESIGN FLOW:

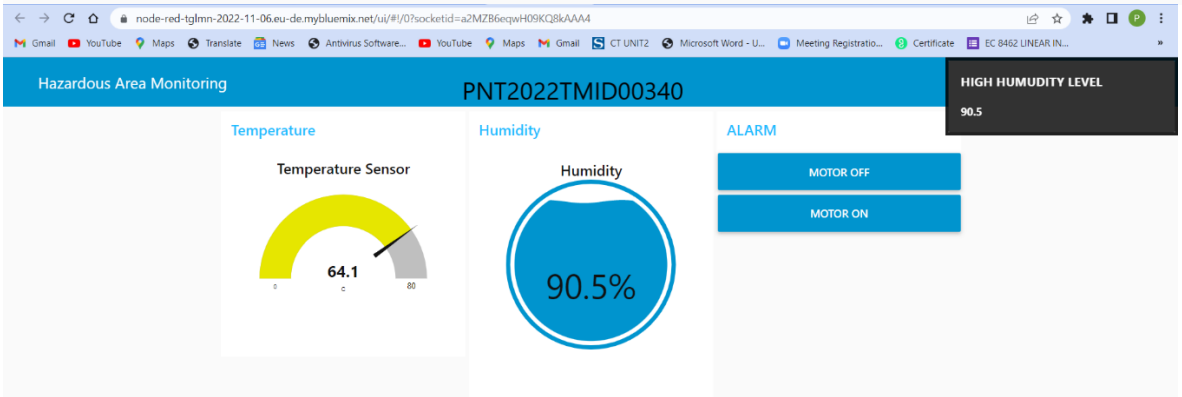




WEB UI:


node-red-tglmn-2022-11-06.eu-de.mybluemix.net/ui/#!/0?socketid=a2MZB6eqwH09KQ8kAAA4
Hazardous Area Monitoring
PNT2022TMID00340
Temperature
Temperature Sensor
37
Humidity
Humidity
77%
ALARM
MOTOR OFF
MOTOR ON


node-red-tglmn-2022-11-06.eu-de.mybluemix.net/ui/#!/0?socketid=a2MZB6eqwH09KQ8kAAA4
Hazardous Area Monitoring
PNT2022TMID00340
VERY HIGH TEMPERATURE ALERT
64.1
Temperature
Temperature Sensor
64.1
Humidity
Humidity
34.5%
ALARM
MOTOR OFF
MOTOR ON


node-red-tglmn-2022-11-06.eu-de.mybluemix.net/ui/#!/0?socketid=a2MZB6eqwH09KQ8kAAA4
Hazardous Area Monitoring
PNT2022TMID00340
HIGH HUMUDITY LEVEL
90.5
Temperature
Temperature Sensor
64.1
Humidity
Humidity
90.5%
ALARM
MOTOR OFF
MOTOR ON