PROJECT DEVELOPMENT PHASE SPRINT-4

Team ID	PNT2022TMID15984
Project Name	Hazardous Area Monitoring for
	Industrial Plant powered by IOT
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Code:

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mqttConnect()/
 void wifiConnect()
        Serial.print("Connecting to "); Serial.print("Nifi");
WiFL.begin("JerroldWi-Fi", "72778901");
while (NiFi.status() != WL_CONNECTED)
                 delay(500);
Secial.print(".");
         Serial.print("MiFi consected, SP address: "); Serial.println(WiFi.localIP());
 void mqt.tConnect()
        if (!slient.comnected()) {
    Wegial.print("Reconnecting MgTT slient to ");    Berial.printin(server);
    while (!slient.comnect(clientId, authoration, token)) {
        derial.print(",");
        delay(500);
 initManagedDevice();
Serial.println();
 void initManagedDevice() {
   if (client.subscribe(topic)) {
        Serial.println("IEM subscribe to und CM");
 | else |
| Herial.println("subscribe to cmd FAILES"))
 void publishData()
        int memocyvalue - analogHead(MQTPIN); //MQT 135 connected to GFIO 34 (Analog ADC1_CH6) Seciel.print("Alique-");
       Berial.print("ALPQNa=");

Serial.print(n(" FPM");

Serial.print(n(" FPM");

fleat hunid = dht.readSumidity();

fleat temp = dht.readSumidity();

String payload = "(""Hunidity\";";

payload += hunid;

payload += ";";

if (client.publish(publishTopic, (char*) payload.c_str())) ;

Serial.printin("Publish OK");
        payload - "{\"Temperature\";";
        psyload := temp;
psyload := "|";
| calient.publish(publishTopic, (char*) psyload.c_str())) |
| Serial.println("Fublish GE");
        pwyload = "[\"AirQuality\":";
payload += "fring(sensorValue);
payload += "j";
if [client.publish(publishTopic, (char*) payload.c_str())) ;
Serial.println("Publish OH");
void callback(char* subscribeTopic, byte* payload, unsigned int payloadLength) {
    Sorial.print("callback invoked for topics");
    Sorial.println(subscribeTopics);
    Top (int i = 0; i < payloadLength; i++) {
    dist == (char)payload[i];
}</pre>
        data3 - "";
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