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| **Date** | 10 NOVEMBER 2022 |
| **Team ID** | PNT2022TMID42967 |
| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

Code:

#define ECHO\_PIN 2

#define TRIG\_PIN 3

#define organization = "md8rdq" #define deviceType = "123" #define deviceId = "123456" #define authMethod = "token" #define authToken = "Titik@2002"

void setup() { **Serial**.begin(115200); pinMode(LED\_BUILTIN, OUTPUT); pinMode(TRIG\_PIN, OUTPUT); pinMode(ECHO\_PIN, INPUT);

}

float readDistanceCM() { digitalWrite(TRIG\_PIN, LOW); delayMicroseconds(2); digitalWrite(TRIG\_PIN, HIGH); delayMicroseconds(10); digitalWrite(TRIG\_PIN, LOW);

int duration = pulseIn(ECHO\_PIN, HIGH); return duration \* 0.034 / 2;

}

void loop() {

float distance = readDistanceCM(); if(distance<=100)

{

**Serial**.println(" person detected");

}

else{

**Serial**.print("Measured distance: ");

**Serial**.println(readDistanceCM());

}

delay(1000);

}





