

Assignment - 4

Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100cms send “alert” to ibm cloud and display in device recent events

Date	17-November 2022
Team ID	PNT2022MID38827
Project name	SMART SOLUTION FOR RAILWAYS
Maximum marks	04

PROGRAM :

```
// ARDUINO PINS (TRIGGER PIN, ECHO PIN)
const int TRIG_PIN = 7;
const int ECHO_PIN = 8;
// Anything over 400 cm (23200 us pulse) is "out of range"
const unsigned int max_dist = 23200;
void setup()
{
  // The Trigger pin will tell the sensor to range find
  pinMode(TRIG_PIN, OUTPUT);
  digitalWrite(TRIG_PIN, LOW);
  //Set Echo pin as input to measure the time duration of pulse returning back from
  the distance sensor pinMode(ECHO_PIN, INPUT);
```