## **ASSIGNMENT-4**

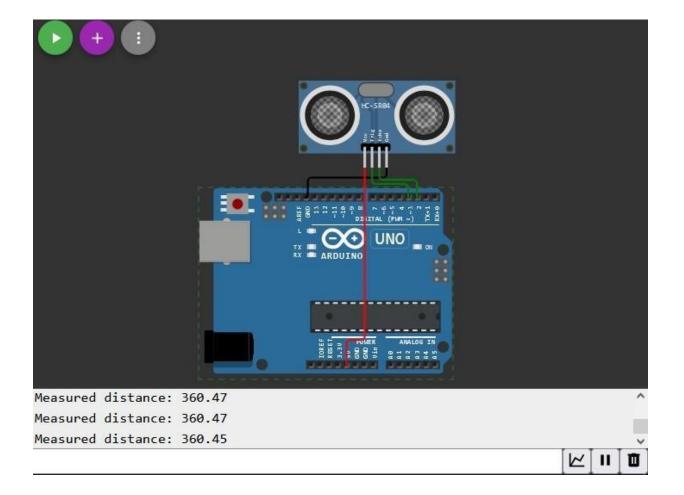
Date	26 October 2022
Team ID	PNT2022TMID15074
Project Name	Real-Time River Water Quality Monitoring and Control system
Maximum Marks	2 Marks

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

**Solution:** 

```
#define ECHO PIN 2
#define TRIG PIN 3
#define organization = "mmbh4c"
#define deviceType = "Ultrasonic"
#define deviceId = "1112"
#define authMethod = "use-token-auth"
#define authToken = "123456789"
 Serial.begin (9600); pinMode (TRIG PIN,
  float readDistanceCM() {
digitalWrite(TRIG PIN, LOW);
```

```
digitalWrite(TRIG_PIN, HIGH);
digitalWrite(TRIG PIN, LOW); int
float distance = readDistanceCM(); if(distance
<= 100)
 Serial.println("person detected ");
Serial.print("Measured distance: ");
Serial.println(readDistanceCM());
```



## IBM Cloud Device Recent Events

