

ASSIGNMENT-4

Name	Vijay G
Team ID	PNT2022TMID21301
Topic	Smart solution for Railways

Task:

Write code and connections in wokwi for the ultrasonic sensor.

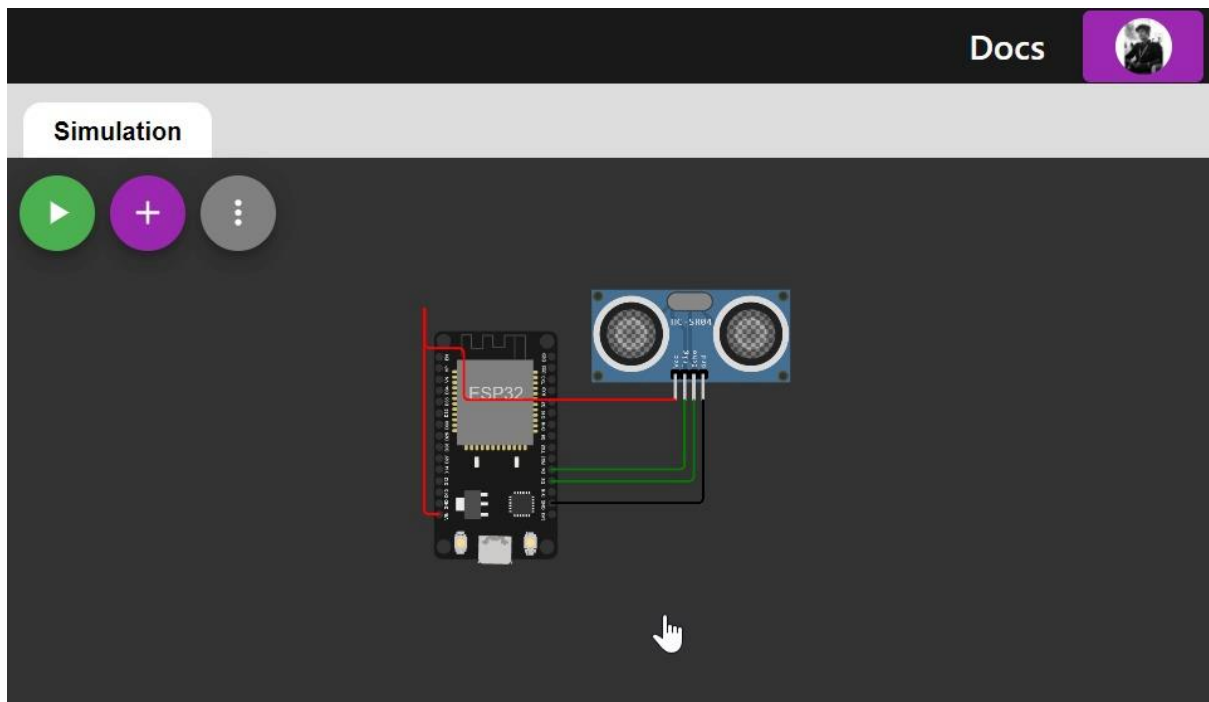
Whenever the distance is less than 100 cms send an "alert" to the IBM cloud and display in the device recent events.

Upload document with wokwi share link and images of IBM cloud

Wokwi share link:

<https://wokwi.com/projects/322410731508073042>

Connections:



Wokwi output:

Simulation

01:01.244 89%

Editing Ultrasonic Distance Sensor

Distance: 48cm

Distance from obstacle: 48.38

ALERT!!! Distance less than 100cm...

Sending payload: {"Distance":48.38,"ALERT!!":"Distance less than 100cms"}to IBM cloud

Publish ok

Distance from obstacle: 48.38

ALERT!!! Distance less than 100cm...

IBM Cloud output:

IBM Watson IoT Platform

vijayp@student.tce.edu
ID: rp9g4o

Add Device

Browse

Action

Device Types

Interfaces

Device ID

Status

Device Type

Class ID

Date Added

iot7

Connected

iot

Device

Oct 29, 2022 9:33 PM

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Data	{"Distance":48.38,"ALERT!!":"Distance less than ...	json	a few seconds ago