

Assignment – 4 (ESP32 programming in Wokwi)

Assignment Date	17 October 2022
Student Name	R. NAVEEN KUMAR
Student Roll Number	212619106003
Maximum Marks	2 Marks

Question – 1

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

Upload document with Wokwi share link and images of IBM cloud.

Wokwi Link :

<https://wokwi.com/projects/346743749430215251>

OUTPUT (IBM screenshots):

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for device management. The main content area shows the 'Recent Events' tab for a device named 'naveen123', which is an ESP32. The device status is 'Connected' and the last update was on 'Oct 28, 2022 2:42 AM'. Below the tabs, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' A table lists the recent events:

Event	Value	Format	Last Received
status	{"d":{"Name":"naveen123","safe ":290.47}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","Alert":95.82}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","safe ":178.5}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","Alert":95.8}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","safe ":219.9}}	json	a few seconds ago

IBM Watson IoT Platform

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212619106003@smartinternz.com

ID: 4frq3m

Browse

Action

Device Types

Interfaces

Add Device

Device ID

Status

Device Type

Class ID

Date Added

naveen123

Connected

ESP32

Device

Oct 28, 2022 2:42 AM

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
status	{"d":{"Name":"naveen123","Alert":19.14}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","safe ":222.9}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","safe ":249.14}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","Alert":86.71}}	json	a few seconds ago
status	{"d":{"Name":"naveen123","Alert":88.75}}	json	a few seconds ago

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status	{"d":{"Name":"naveen123","Alert":95.82}}	json	a few seconds ago
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