# THIAGARAJAR COLLEGE OF ENGINEERING

# GAS LEAKAGE MONITORING SYSTEM

**Team Members:**

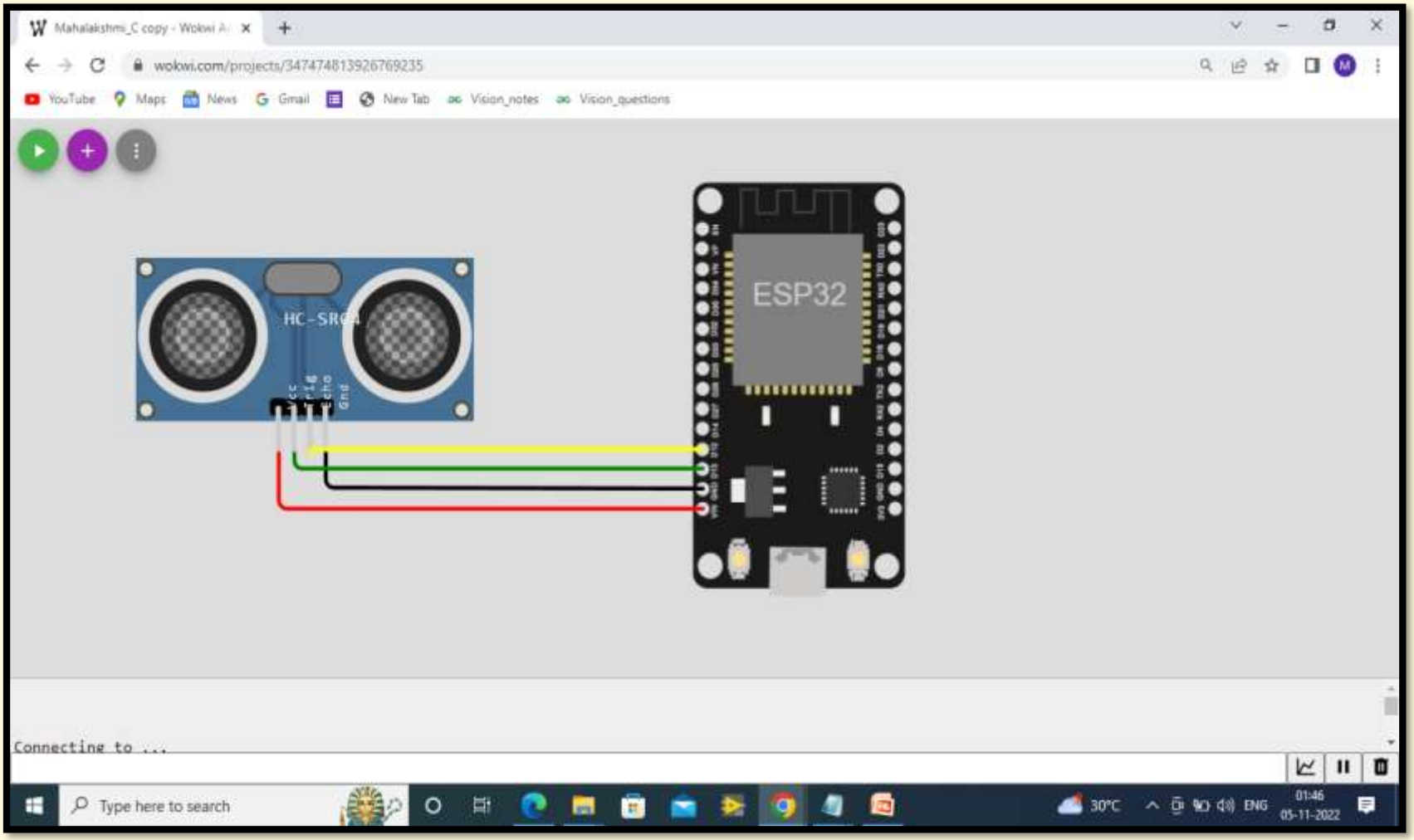
- Mahalakshmi C - 19D047
- Laila B G - 19D043
- Raji Santhoshi T G - 19D070
- Durga Devi G - 19D117

# ASSIGNMENT - 4

Write a code and connections in wokwi for the ultrasonic sensor.

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

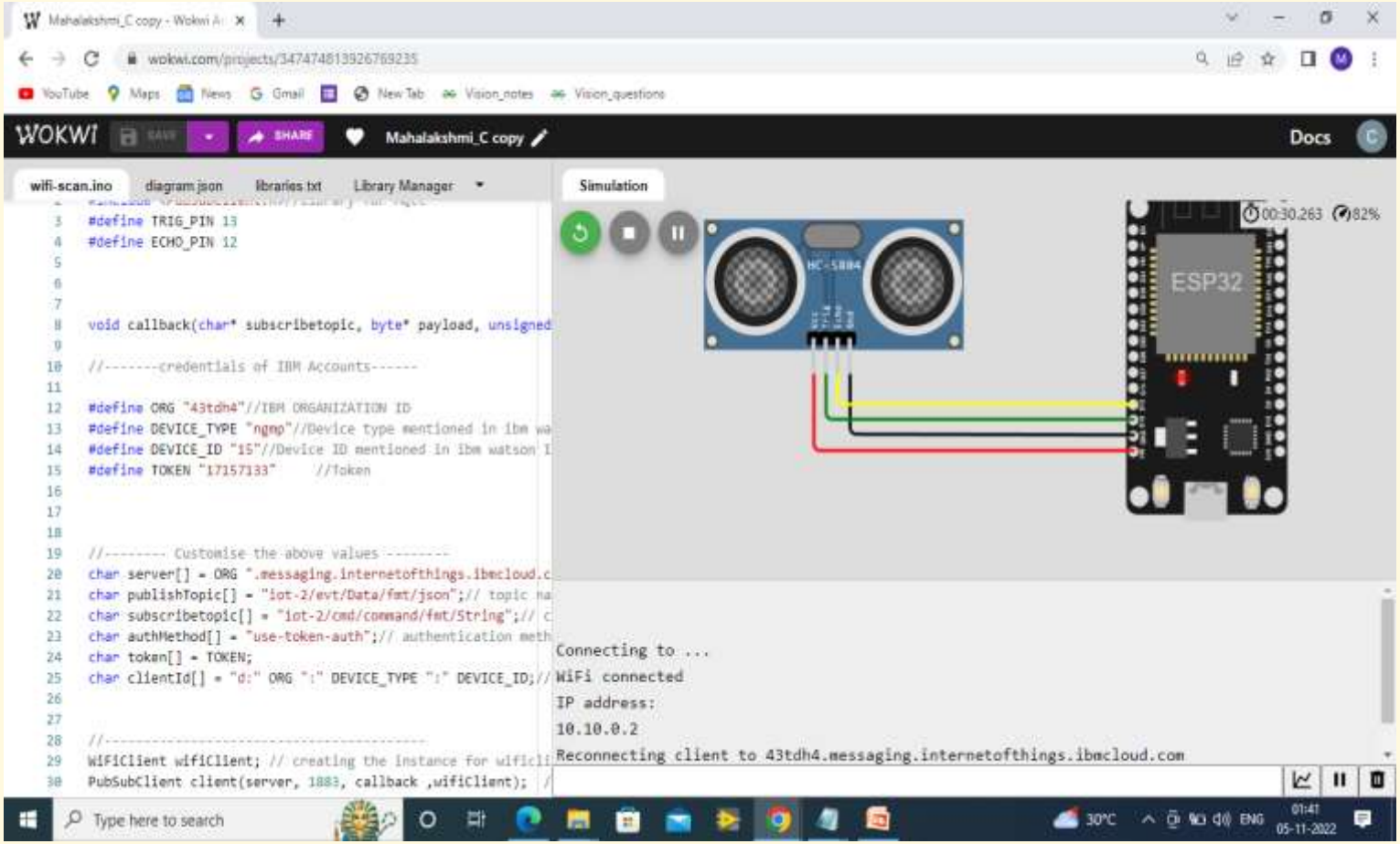
## Circuit Diagram:

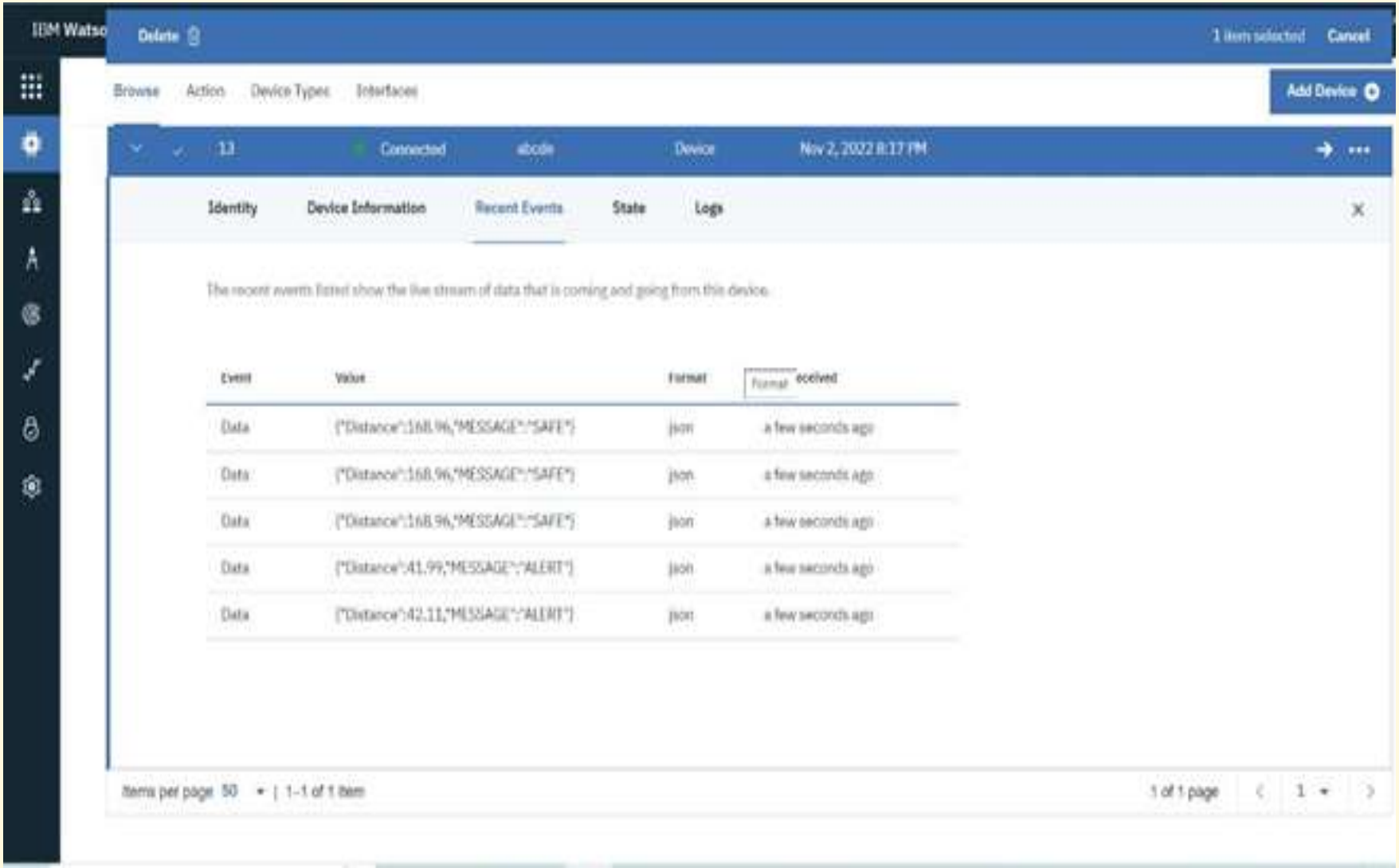


**Link:**

https://wokwi.com/projects/347474813926769235

**Output:**




IBM Watso
Delete
1 item selected
Cancel
Browse
Action
Device Types
Interfaces
Add Device
13
Connected
abcde
Device
Nov 2, 2022 8:17 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
Format
eceived
Data
{"Distance":168.96,"MESSAGE":"SAFE"}
json
a few seconds ago
Data
{"Distance":168.96,"MESSAGE":"SAFE"}
json
a few seconds ago
Data
{"Distance":168.96,"MESSAGE":"SAFE"}
json
a few seconds ago
Data
{"Distance":41.99,"MESSAGE":"ALERT"}
json
a few seconds ago
Data
{"Distance":42.11,"MESSAGE":"ALERT"}
json
a few seconds ago
items per page: 50
1-1 of 1 item
1 of 1 page
1