DEVELOP A PYTHON SCRIPT

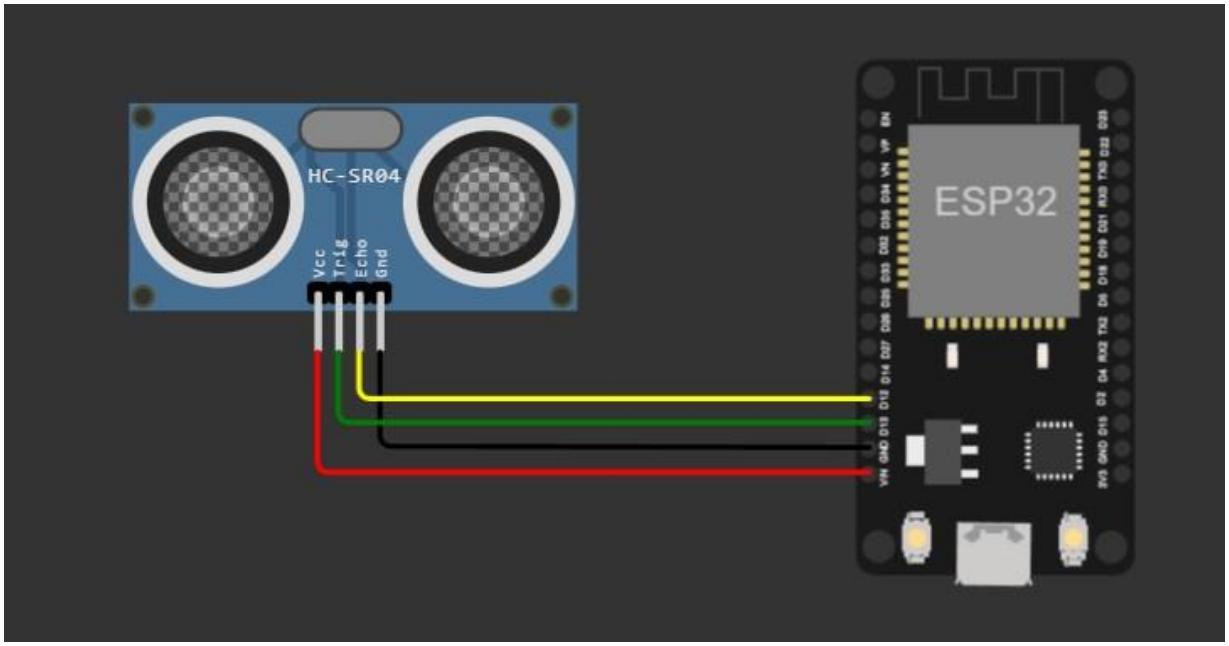
Team ID	PNT2022TMID21445
Project Name	Gas Leakage monitoring & Alerting system for Industries
Project TEAM members	19D114 – ARIKARASHRI. K 19D127 – NITHISH KUMAR. M 19D129 – RANJITH KUMAR. P 19D130 – RUTHRAM. M 19D135 – UDHAYAKUMAR. U

AIM:

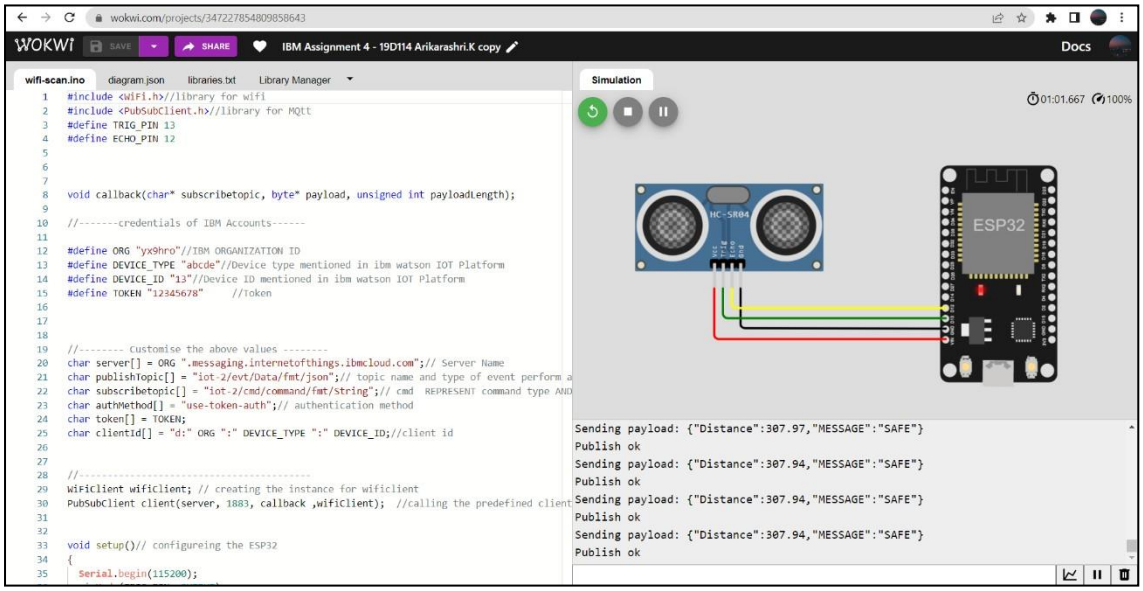
- To Develop a python script to publish and subscribe to ibm iot platform

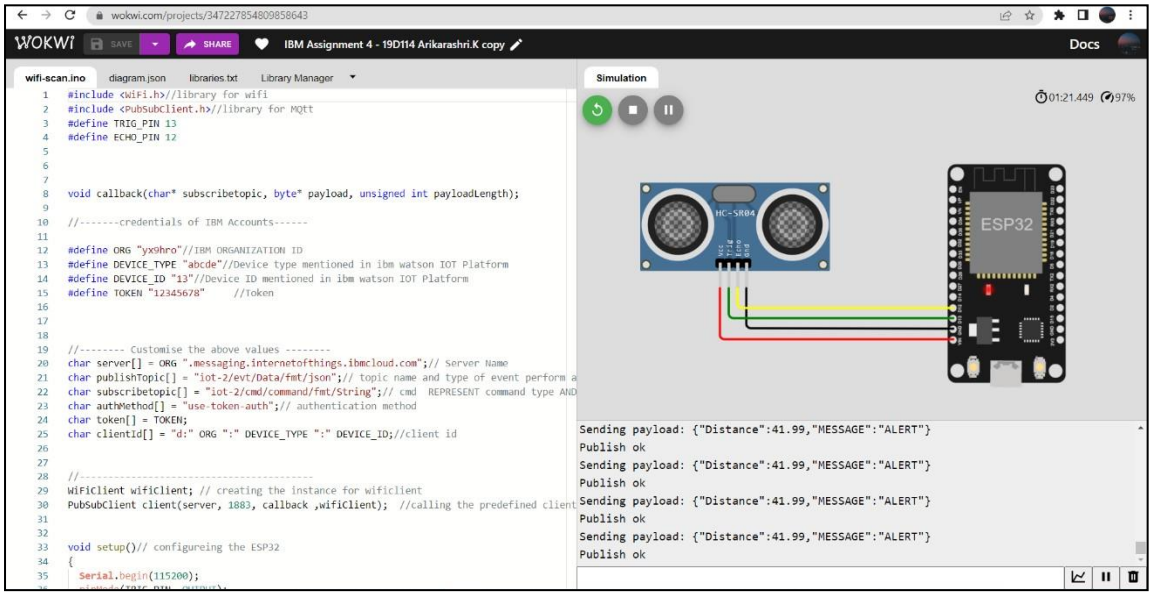
CIRCUIT DIAGRAM:

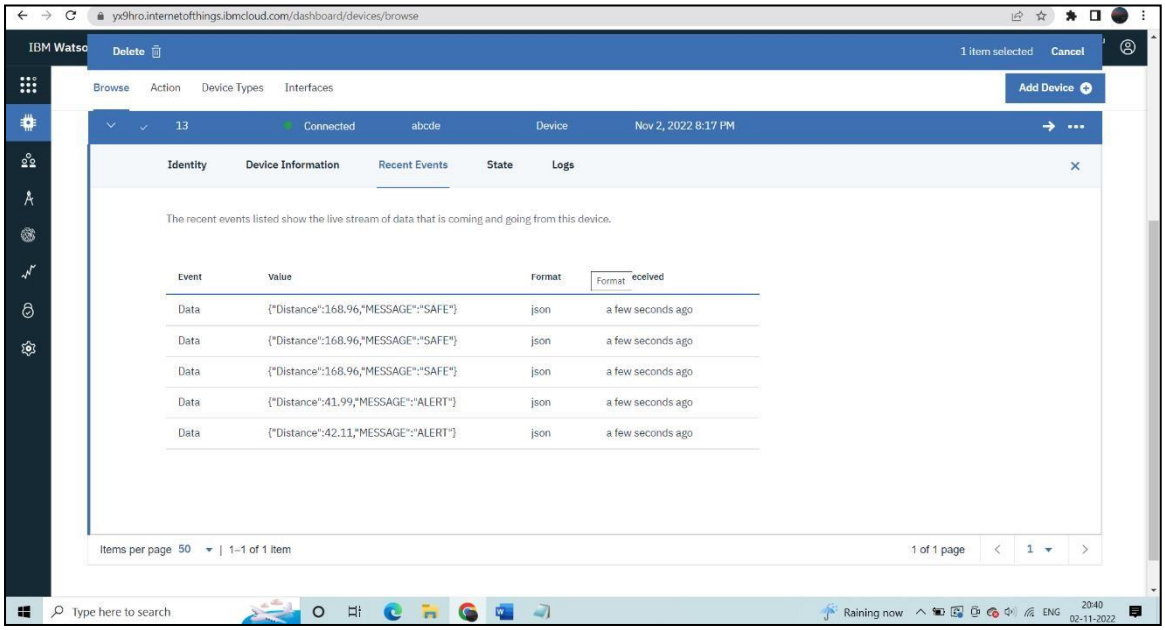
Link: https://wokwi.com/projects/347227854809858643



OUTPUTS:


wokwi.com/projects/347227854809858643
WOKWI
SAVE
SHARE
IBM Assignment 4 - 19D114 Arikarashri.K copy
Docs
wifi-scan.ino
diagram.json
libraries.txt
Library Manager
Simulation
01:01.667
100%
HC-SR04
ESP32
Sending payload: {"Distance":307.97,"MESSAGE":"SAFE"}
Publish ok
Sending payload: {"Distance":307.94,"MESSAGE":"SAFE"}
Publish ok
Sending payload: {"Distance":307.94,"MESSAGE":"SAFE"}
Publish ok
Sending payload: {"Distance":307.94,"MESSAGE":"SAFE"}
Publish ok


wokwi.com/projects/347227854809858643
WOKWI
SAVE
SHARE
IBM Assignment 4 - 19D114 Arikarashri.K copy
Docs
wifi-scan.ino
diagram.json
libraries.txt
Library Manager
Simulation
01:21.449
97%
HC-SR04
ESP32
Sending payload: {"Distance":41.99,"MESSAGE":"ALERT"}
Publish ok
Sending payload: {"Distance":41.99,"MESSAGE":"ALERT"}
Publish ok
Sending payload: {"Distance":41.99,"MESSAGE":"ALERT"}
Publish ok
Sending payload: {"Distance":41.99,"MESSAGE":"ALERT"}
Publish ok


yx9hro.internetofthings.ibmcloud.com/dashboard/devices/browse
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
Type here to search
Raining now
ENG
20:40
02-11-2022