**Assignment – 4**

**(ESP32 programming in Wokwi)**

| Date | 17 October 2022 |
|---|---|
| Student name | VENKATA SUNITHA D |
| Student Roll No. | 212619104018 |
| Project Name | PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT USING IoT TECHNOLOGY |
| 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/346867540759151186

**OUTPUT(IBM Screenshots):**

| | Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|---|---|---|---|---|---|---|
| ☐ | sunitha | ⬨ Disconnected | sunitha | Device | Oct 29, 2022 8:36 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 |
|---|---|---|---|
| status | {"d":{"Name":"sunitha","Alert":3.41}} | json | a few seconds ago |
| status | {"d":{"Name":"sunitha","safe ":136.15}} | json | a few seconds ago |
| status | {"d":{"Name":"sunitha","safe ":256.19}} | json | a few seconds ago |
| status | {"d":{"Name":"sunitha","Alert":11.04}} | json | a few seconds ago |
| status | {"d":{"Name":"sunitha","safe ":162.39}} | json | a few seconds ago |