

# **V.S.B. ENGINEERING COLLEGE KARUR**

## **ASSIGNMENT-2**

**REGISTER NUMBER:922519106062**

**DOMAIN NAME** : Internet of Things

**NAME** :Kanimozhi T

**MENTOR NAME** : Janani S

**AIM:**

To build a python code by assuming we get the temperature and humidity values (generated with random function to a variable) and to write a condition to continuously detect alarm in case of high temperatures.

**CODE:**

```
import machine,onewire, ds18x20, time
ds_pin=machine.Pin(22)
ds_sensors=ds18x20.DS18X20(onewire.OneWire(ds_pin))
roms=ds_sensors.scan()
print('Found DS devices: ', roms)
while True:
    ds_sensors.convert_temp()
    time.sleep_ms(750)
    for rom in roms:
        print(rom)
        print(ds_sensors.read_temp(roms))
    time.sleep(5)
```