**Karpagam College of Engineering**

(Electronics and Communication Engineering)

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Assignment 2:

Temperature and Humidity sensing alarm automation using python

Code:

import random  
while(1):  
    temperature=random.randint(9,30)  #random temperature between 9 and 30  
    humidity=random.randint(15,55)      #random humidity between 15 and 55  
    if (temperature>10 and humidity>50):  
        print("high temperature and humidity -->",temperature,humidity,"%","Alarm  ON")  
        break  
    elif(temperature<10 and humidity<50):  
        print("Normal temperature and humidity  -->",temperature,humidity,"%","Alarm OFF")  
        break

