**SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES**

**ASSIGNMENT-02**

SUBMITTED BY

**SARMILA.S(113219041100)**

**BACHELOR OF ENGINEERING IN ELECTRONICSAND**

**COMMUNICATION ENGINEERING**

**Build a python code, Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.**

**Python code:**

import random def tempMonitor():

minRoomTemp=15 maxRoomTemp=25 minRoomHum=30 maxRoomHum=50 temp = random.randint(14,26) humidity = random.randint(29,51)

if ((temp>=minRoomTemp)and(temp<=maxRoomTemp) and

(humidity>=minRoomHum) and (humidity<=maxRoomHum)):

print("The temperature and humidity is optimum") tempMonitor() else: if(temp<minRoomTemp):

print("The temperature is too cold:"+ str(temp))

if(humidity<minRoomHum): print("The humidity is low:"+ str(humidity))

if(temp>maxRoomTemp):

print("The temperature is too hot:"+ str(temp))

if(humidity>maxRoomHum):

print(" ALERT: The humidity is high:"+ str(humidity))

return

tempMonitor() **IDLE OUTPUT:**





