# SNS COLLEGE OF TECHNOLOGY

# DEPARTMENT OF ECE

NAME: SABARINATHAN M

PROJECT: Gas Leakage monitoring & Alerting system for Industries

**PROJECT CODE:**

import datetime

import time

import random

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BCM)

GPIO.setwarning(false)

BUZZER = 23

buzzerstate = False

dt = datetime.datetime.now()

GPIO.setup(BUZZER,GPIO.OUT)

while True:

temp = random.randint(0, 100)

humidity = random.randint(0, 100)

buzzstate = not buzzstate

GPIO.output(BUZZER,buzzstate)

if(temp>=55):

print("temperature have crossed the threshold level on",dt.strftime("%d-%m-%y"),"at",dt.strftime("%H:%M"))

elif(humidity>=78):

print("humidity have crossed the threshold level on",dt.strftime("%d-%m-%y"),"at",dt.strftime("%H:%M"))

time.sleep(20)