**NALAIYA THIRAN**

**GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES - ASSIGNMENT 3**

**NAME : DEEPAK CHANDRU S**

**ROLL NO : 921319106042**

**BATCH : B7-1A3E**

**COLLEGE : PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY**

-----------------------------------------------------------------------------------------------------

Write Python code for Blinking LED and Traffic lights for Raspberry pi.

**CODE 1:**

**# BLINKING LED**

import RPi.GPIO as GPIO

import time

LED\_PIN = 17

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED\_PIN, GPIO.OUT)

GPIO.output(LED\_PIN, GPIO.HIGH)

time.sleep(1)

GPIO.output(LED\_PIN, GPIO.LOW)

GPIO.cleanup()

**CODE 2:**

**#TRAFFIC LED**

from gpiozero import LED

from time import sleep

red = LED(22)

amber = LED(27)

green = LED(17)

while(True):

red.on()

sleep(1)

amber.on()

sleep(1)

green.on()

sleep(1)

-----------------------------------------------------------------------------------------------------