

Problem statement :

## IoT based GAS LEAKAGE MONITORING AND ALERTING SYSTEM.

Domain : Internet of Things.

Assignment 3 : Python code for blinking led and  
traffic lights for raspberry pi

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## 1. LED import

RPi.GPIO as GPIO

from *time* import sleep

GPIO.setwarnings(Fals

e)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

value to low (off) while

True:

GPIO.output(8, GPIO.HIGH) sleep(1)

GPIO.output(8, GPIO.LOW) sleep(1)

## 2. Traffic Light

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep   buzzer = Buzzer(15)

button = Button(21)   lights = TrafficLights(25, 8,

7)   while True:           button.wait\_for\_press()

    buzzer.on()

    light.green.on()

    sleep(1)

    lights.amber.on()

    sleep(1)

    lights.red.on()

    sleep(1)           lights.off()

    buzzer.off()