GAS LEAKAGE MONITORING AND ALERTING SYSTEM

DOMAIN : IOT

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TEAM LEADER: YOKESH S

ASSIGNMENT 3:

Write a python code for blinking LED and traffic lights for Raspberry pi. Only python code is enough,no need to execute in raspberry pi.

Code for Blinking LED:

```
import RPi.GPIO as GPIO   import time

LED = 40

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(LED, GPIO.OUT)


while True:

    GPIO.output(LED,GPIO.HIGH)
time.sleep(1)
    GPIO.output(LED,GPIO.LOW)
time.sleep(1)
```

Code for Traffic Light System:

```
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()
```