ASSIGNMENT 3

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Domain : IOT

Project Title : Gas Leakage Monitoring & Alerting System For

Industries

Team Id : PNT2022TMID30401

Write Python code for blinking LED and Traffic lights for 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()
```