|  |  |
| --- | --- |
| Name | M.Gowri |
| Reg.No | 712519104006 |
| Departament | CSE |
| Title | Gas leakage monitering and alerting system. |
| Topic | python code for blinking LED and traffic lights for Raspberry pi. |
| Mentor | S.V. Ramanan |

Write python code for blinking LED and traffic lights for Raspberry pi

Code:

//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()