Gas Leakage Monitoring and Alerting System

Assignment-3

ELPHIN JOSNELL AS

Roll no:950819106305

PYTHON PROGRAM FOR LED BLINKING:

```
import GPIO.RPi as GPIO ##import GPIO library
import time
GPIO.setmode(GPIO.BOARD) ##use board pin numbering
GPIO.setup(11,GPIO.OUT) ##set 11th pin as output pin
while 1:
        GPIO.output(11,1) ## Turn on led
        time.sleep(1) ## 1 second delay
```

```python
        GPIO.output(11,0) ## Turn off led

        time.sleep(1)
```

PYTHON PRORAM FOR TRAFFIC LIGHT:

```python
 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()
```