Gas Leakage Monitoring and Alerting System

Assignment-3

BALASUBRAMANIAN M

Roll no:950819106009

PYTHON PROGRAM FOR LED BLINKING:

```python
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
    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()
```