

# Gas Leakage monitoring & Alerting system for Industries

## Assignment-3

### **CODE:**

#### **# BLINKING LED**

```
import RPi.GPIO as GPIO
import time

LED=2

GPIO.setmode(GPIO.BCM)
GPIO.setup(LED, GPIO.OUT)

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

### **CODE 2:**

#### **#TRAFFIC LED**

```
import RPi.GPIO as GPIO
import time

RED=2
YELLOW=3
GREEN=4

GPIO.setmode(GPIO.BCM)
GPIO.setup(2, GPIO.OUT)
```

```
GPIO.setup(3, GPIO.OUT)
```

```
GPIO.setup(4, GPIO.OUT)
```

```
While(1):
```

```
    GPIO.output(2,GPIO.HIGH)
```

```
    time.sleep(10)
```

```
    GPIO.output(2, GPIO.LOW)
```

```
    GPIO.output(3,GPIO.HIGH)
```

```
    time.sleep(10)
```

```
    GPIO.output(3, GPIO.LOW)
```

```
    GPIO.output(4,GPIO.HIGH)
```

```
    time.sleep(10)
```

```
    GPIO.output(4, GPIO.LOW)
```