

Gas Leakage monitoring & Alerting system for Industries

Assignment-3

CODE:

//python code for blinking LED

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(2,GPIO.OUT)
while True:
    GPIO.output(2,True)
    time.sleep(2)
    GPIO.output(2,False)
    time.sleep(2)
```

//Python code for Traffic Lights

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(2,GPIO.OUT)
GPIO.setup(17,GPIO.OUT)
GPIO.setup(4,GPIO.OUT)
while True:
    print "RED SIGNAL"
    GPIO.output(2,True)
    time.sleep(2)
    GPIO.output(2,False)
```

```
print "YELLOW SIGNAL"
```

```
GPIO.output(17,True)
```

```
time.sleep(2)
```

```
GPIO.output(17,False)
```

```
print "GREEN SIGNAL"
```

```
print(GPIO.output(4,True))
```

```
time.sleep(2)
```

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