

**Department of Electronics and Communication Engineering**  
**IOT Assignment 3**

**Topic :** Write python code for blinking LED and Traffic lights

Name: DURGA. D

**CODE:-**

**Traffic Light control:-**

```
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()
               lights.green.on()
               sleep(1)
               lights.amber.on()
               sleep(1)
               lights.red.on()
               sleep(1)
```

```
lights.off()
buzzer.off()
```

**Blinking Led:-** import RPi.GPIO as GPIO # Import Raspberry Pi  
GPIO library from time import sleep # Import the sleep function  
from the time module

```
GPIO.setwarnings(False)           #Ignore warning for now
```

```
GPIO.setmode(GPIO BOARD)         #Use physical pin
```

numbering

```
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)    #Set pin 8 to  
be an output
```

```
pin and set initial value to low(off) While True:    #Run forever
```

```
GPIO.output(8,GPIO.HIGH)            #Turn on
```

```
sleep(1) #Sleep for 1 second
```

```
GPIO.output(8,GPIO.LOW)            #Turn off
```

```
sleep(1)#Sleep for 1 second
```