

Department of Information Technology

IOT Assignment III

Topic : Write python code for blinking LED and Traffic lights

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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
```