

Department of Electronics and Communication Engineering

IOT Assignment 3

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()ligh
              ts.green.on()slee
              p(1)lights.amber.
              on()sleep(1)light
              s.red.on()sleep(1
              )
```

```
lights.off()b  
uzzer.off()
```

```
BlinkingLed:-importRPi.GPIOasGPIO#  
ImportRaspberryPiGPIO library from time import sleep # Import  
the sleep functionfromthetimemodule  
GPIO.setwarnings(False)           #Ignore warning for  
nowGPIO.setmode(GPIOBOARD)       #Use physical  
pinnumbering  
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)  
                                     #Setpin8tob  
eanoutput  
pinand setinitialvaluetolow(off)WhileTrue:           #Runforever  
GPIO.output(8,GPIO.HIGH)          #Turn  
onsleep(1) #Sleep for 1  
secondGPIO.output(8,GPIO.LOW)     #Turn  
offsleep(1)#Sleepfor 1 second
```