Department of Electronics and Communication Engineering
IOT Assignment 3

Topic : Write python code for blinking LED and Traffic

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CODE:-

TrafficLightcontrol:-

```
fromgpiozero
importButton
,TrafficLights
,
Buzzer       fromtime importsleep
             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
```