

SNS COLLEGE OF TECHNOLOGY  
COIMBATORE 641305  
Department of Computer Science and Engineering

IOT Assignment 3

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

Assignment Date	01 October 2022
Student Name	Sruti.L
Student Roll Number	713319CS145
Maximum Marks	2 Marks

**TEAM ID : PNT2022TMID18038**

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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