

**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	Sathya M
Student Roll Number	19CS130
Maximum Marks	2 Marks

**TEAM ID : PNT2022TMID18062**

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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) be #Set pin 8 to  
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