

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	Ranjith.E
Student Roll Number	713319CS117
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
```