

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	19CS168
Maximum Marks	2 Marks

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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
```