

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
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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