**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 | Vimal Kumar R |
| Student Roll Number | 19CS165 |
| Maximum Marks | 2 Marks |

**TEAM ID : PNT2022TMID18062**

## MENTOR NAME : SR . JANANI

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 an output | #Set pin 8 to |
| pin and set initial value to low(off) While True:  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 | #Run forever |