

Assignment 3

Student Name	Ganeshkumar S
Student Roll Number	737819CSR042
Maximum Marks	2 Marks

Smart Waste Management System for Metropolitan Cities

TEAM ID: PNT2022TMID04344

IBM Nalaiya Thiran

Question 3:

Write a python code for blinking LED and traffic light using raspberrypi.

Code:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
    while True:
        GPIO.output(11,True)
        time.sleep(3)
        GPIO.output(11,False)
        time.sleep(3)
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
```

```
buzzer.on()  
light.green.on()  
sleep(3)  
lights.amber.on()  
sleep(3)  
lights.red.on()  
sleep(3)  
lights.off()  
buzzer.off()
```