

ASSIGNMENT 3

CINEHAA M

710719104026

Dr. N.G.P. INSTITUTE OF TECHNOLOGY

Blinking LED Code:

```
import RPi.GPIO as GPIO
from time import sleep

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)

while True:
    GPIO.output(8,GPIO.HIGH)
    sleep(1)
    GPIO.output(8,GPIO.LOW)
    sleep(1)
```

Traffic Lights Code:

```
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()