

MUTHAYAMMAL ENGINEERING **COLLEGE**

Assignment 3

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LED BLINKING CODE

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

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

while True:          #infinite loop
    GP.output(8, GPIO.HIGH)      # Turn on
    print("The LED is ON")
    sleep(2)              # Sleep for 2 second

    GP.output(8, GPIO.LOW)      # Turn off
    print("The LED is OFF")
    sleep(2)              # Sleep for 2 second
```

TRAFFIC LIGHT RASBERRY PYTHON CODE

From gpiozero import LED

From time import sleep

Red= LED(17) #pin numbers connected to Led's

Aster=(22)

Green=(27)

While True:

Red.on() #RED light

Print("Red light is ON")

For I in range(100,0,-1):

Print("Remaining time: ",i)

Sleep(1)

Red.off()

Aster.on() # ASTER light

Print("Yellow light is ON")

For I in range(5,0,-1):

Print("Remaining time: ",i)

Sleep(1)

Aster.off()

Green.on #GREEN light

Print("Green light is ON")

For I in range(30,0,-1):

Print("Remaining time: ",i)

Sleep(1)

Green.off()