SRI ESHWAR COLLEGE OF ENGINEERING Coimbatore

ASSIGNMENT III

TEAM MATES :

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PYTHON CODE FOR BLINKING LED:

```
Import RPi.GPIO as GPIO

Import time

GPIO.setmode(GPIO.BCM)

#GPIO.setmode(GPIO.BOARD)

Cnt = 0

MAIL_CHECK_FREQ = 1

RED_LED = 4

GPIO.setup(RED_LED, GPIO.OUT)

While True:

Ifcnt == 0 :

GPIO.output(RED_LED, False)

Cnt = 1

Else:

GPIO.output(RED_LED, True)
```

```
Cnt = 0

Time.sleep(MAIL_CHECK_FREQ)

GPIO.cleanup()
```

PYTHON CODE FOR TRAFFIC LIGHTS:

```
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()

light.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()

buzzer.off()
```