SRI ESHWAR COLLEGE OF ENGINEERING
Coimbatore

TEAM MATES:

SUBAHAN.K[LEAD]

HASSAIN.K.M

SAI KUMAR.G

NIKHIL.K

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
```

```python
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()
```