

ASSIGNMENT 3

NAME : GOKUL PRASATH

ROLL NO : 711320EC044

Python code for blinking of LED light:

CODE :

```
import RPi.GPIO as GPIO

import time

LED_PIN = 15

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED_PIN, GPIO.OUT)

while True:

    GPIO.output(LED_PIN, GPIO.HIGH)

    time.sleep(1) GPIO.output(LED_PIN,

    GPIO.LOW)

    time.sleep(1)

GPIO.cleanup()
```

Python code for traffic lights :

CODE :

```
from gpiozero import LED from
time import sleep

lights = TrafficLights(27, 5, 8)

while True:

    light.green.on()

    sleep(1)

    lights.amber.on()

    sleep(1)

    lights.red.on()

    sleep(1) lights.off()
```