NAME	**NAVEENKUMAR S**
REG NO	**611819106031**
TOPIC	***ASSIGNMENT ON TRAFFIC LIGHT CONTROL USING PYTHON***
PROJECT TITLE	**REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM**
ASSIGNMENT NO	**03**
MENTOR	**PRAKASAM L ASP/ECE**
COLLEGE NAME	**P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY**

PYTHON CODE:

```
import turtle
import time
wn = turtle.Screen()
wn.bgcolor("black")

pen = turtle.Turtle()
pen.color("orange")
pen.width(4)
pen.hideturtle()
pen.penup()
pen.goto(-30, 60)
pen.pendown()
pen.fd(60)
pen.rt(90)
pen.fd(120)
pen.rt(90)
pen.fd(60)
pen.rt(90)
pen.fd(120)
```

```
red_light = turtle.Turtle()
red_light.shape("circle")
red_light.color("gray")
red_light.penup()
red_light.goto(0,40)


yellow_light = turtle.Turtle()
yellow_light.shape("circle")
yellow_light.color("gray")
yellow_light.penup()
yellow_light.goto(0,0)


green_light = turtle.Turtle()
green_light.shape("circle")
green_light.color("gray")
green_light.penup()
```

```
green_light.goto(0,-40)


while True:
    yellow_light.color("gray")
    red_light.color("red")
    time.sleep(2.5)

    red_light.color("gray")
    green_light.color("green")
    time.sleep(2)

    green_light.color("gray")
    yellow_light.color("yellow")
    time.sleep(1.5)


wn.mainloop()
```