

**BHARATH NIKETAN ENGINEERING COLLEGE,  
AUNDIPATTI  
ELECTRONICS AND COMMUNICATION ENGINEERING  
IBM NALAIYA THIRAN  
ASSIGNMENT III**

**TITLE** : Signs with Smart Connectivity for Better Road Safety

**DOMAIN** : Internet Of Things

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**TEAM ID** : PNT2022TMID48432

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**Python program for blinking LED and Traffic lights :**

```
import turtle

import time

a = turtle.getscreen()

a.title("TrafficLight ")

a.bgcolor("black")


write= turtle.Turtle()

write.color("White")

write.width(3)
```

```
write.hideturtle()
write.penup()
write.goto(-30, 60)
write.pendown()
write.fd(60)
write.rt(90)
write.fd(120)
write.rt(90)
write.fd(60)
write.rt(90)
write.fd(120)
```

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

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

```
green_light =turtle.Turtle()
green_light.shape("circle")
```

```
green_light.color("Black")
```

```
green_light.penup()
```

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

```
while (1):
```

```
    green_light.color("Black")
```

```
    yellow_light.color("Black")
```

```
    red_light.color("red")
```

```
    print("Stop - Stop behind zebra cross..")
```

```
    print("Blink!!")
```

```
    time.sleep(2)
```

```
    print("Blink!!")
```

```
    red_light.color("Black")
```

```
    yellow_light.color("yellow")
```

```
    print("Move - You can go..")
```

```
    print("Blink!!")
```

```
    time.sleep(3)
```

```
    print("Blink!!")
```

```
    yellow_light.color("Black")
```

```
    green_light.color("green")
```

```
    print("Wait for Signal - Ready to go..")
```

```
print("Blink!!")
```

```
time.sleep(1)
```

```
print("Blink!!")
```

```
a.mainloop()
```