

**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

NAME : BALAMITHRA.T

TEAM ID : PNT2022TMID48432

INDUSTRY MENTOR NAME : Mentor 11

FACULTY MENTOR NAME : SANGEETHA.J

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()
```