# 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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## 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()
```