**BHAVA TARINI MOHAN**

**TEAM LEAD**

**IoT Based Smart Crop Protection System for Agriculture**

**ASSIGNMENT-3**

PYTHON CODE FOR BLINKING OF LED AND TRAFFIC LIGHTS

|  |
| --- |
| import turtle |
|  | import time |
|  | wn= turtle.getscreen() |
|  | wn.title("Stoplight By Bhava Tarini Mohan") |
|  | wn.bgcolor("black") |
|  |  |
|  |  |
|  | pen= turtle.Turtle() |
|  | pen.color("Yellow") |
|  | 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("grey") |
|  | red\_light.penup() |
|  | red\_light.goto(0, 40) |
|  |  |
|  |  |
|  | yellow\_light =turtle.Turtle() |
|  | yellow\_light.shape("circle") |
|  | yellow\_light.color("grey") |
|  | yellow\_light.penup() |
|  | yellow\_light.goto(0, 0) |
|  |  |
|  | green\_light =turtle.Turtle() |
|  | green\_light.shape("circle") |
|  |  |
|  | green\_light.color("grey") |
|  | green\_light.penup() |
|  | green\_light.goto(0, -40) |
|  |  |
|  |  |
|  | while True: |
|  | yellow\_light.color("grey") |
|  | red\_light.color("red") |
|  | print("Red light Blinked - Now vehicle Stop behind zebra cross..") |
|  | print("Blink!!") |
|  | time.sleep(2) |
|  | print("Blink!!") |
|  |  |
|  | red\_light.color("grey") |
|  | green\_light.color("green") |
|  | print("Green light on- Now vehicle can go..") |
|  | print("Blink!!") |
|  | time.sleep(3) |
|  | print("Blink!!") |
|  |  |
|  | green\_light.color("grey") |
|  | yellow\_light.color("yellow") |
|  | print("Yellow light Blinked- Now vehicle Ready to go..") |
|  | print("Blink!!") |
|  | time.sleep(1) |
|  | print("Blink!!") |
|  |  |
|  |  |





