

PROBLEM STATEMENT :

IoT based SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

DOMAIN :

Internet of Things.

ASSIGNMENT 3 :

Python code for blinking led and traffic lights for raspberry pi

By,

MULLAIYARASI .K – (623519106019)

SARASWATHI .K – (623519106036)

PREMALATHA . V – (623519106025)

SRINITHI . B – (623519106041)

1. LED import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

value to low (off) while True:

GPIO.output(8, GPIO.HIGH)

sleep(5)

GPIO.output(8, GPIO.LOW)

sleep(5)

2. TRAFFIC LIGHT

```
from gpiozero import Button, TrafficLights, Buzzer
from time import sleep
buzzer = Buzzer(16)
button = Button(20)
lights = TrafficLights(24, 7, 5)
while True:
    button.wait_for_press()
    buzzer.on()
    light.green.on()
    sleep(3)
    lights.amber.on()
    sleep(3)
    lights.red.on()
    sleep(3)
    lights.off()
    buzzer.off()
```