## **Assignment -3**

## **Python Programming**

Assignment Date	10 September 2022
Student Name	Sijin X
Student Roll Number	422419106036

## Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi.

## **Solution:**

import RPi.GPIO as GPIO import time import signal import sys

# Setup GPIO.setmode(GPIO.BCM) GPIO.setup(9, GPIO.OUT) GPIO.setup(10, GPIO.OUT) GPIO.setup(11, GPIO.OUT)

signal.signal(signal.SIGINT, allLightsOff)

# Loop for led light while True:

# RED LIGHT GPIO.output(9, True) time.sleep(3)

# RED AND YELLOW GPIO.output(10, True) time.sleep(1)

# GREEN LIGHT GPIO.output(9, False) GPIO.output(10, False) GPIO.output(11, True) time.sleep(5)

# YELLOW LIGHT GPIO.output(11, False) GPIO.output(10, True) time.sleep(2)

**#YELLOW OFF (red start from first loop) GPIO.output(10, False)**