**Assignment -3**

Python Programming

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| Assignment Date | 06 October 2022 |
| Student Name | Ms.A.Leelavathy |
| Student Roll Number | 422719106014 |
| Maximum Marks | 2 Marks |

//Code for Blinking LED//

Import RPi.GPIO as GPIO

Import time

LED = 40

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(LED, GPIO.OUT)

While True:

GPIO.output(LED,GPIO.HIGH)

Time.sleep(1)

GPIO.output(LED,GPIO.LOW)

Time.sleep(1)

//Code for Traffic Light System//

From gpiozero import Button, TrafficLights, Buzzer

From time import sleep

Buzzer = Buzzer(15)

Button = Button(21)

Lights = TrafficLights(25, 8, 7)

While True:

Button.wait\_for\_press()

Buzzer.on()

Light.green.on()

Sleep(1)

Lights.amber.on()

Sleep(1)

Lights.red.on()

Sleep(1)

Lights.off()

Buzzer.off()