**Assignment -3**

Python Programming

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| Assignment Date | 3 October 2022 |
| Student Name | Sona R |
| Student Roll Number | 710619106004 |
| Maximum Marks | 2 Marks |

Write Python code for blinking LED and Traffic lights for Raspberry pi

//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()