**Assignment - 3**

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| Assignment Date | 03 October 2022 |
| Student Name | Kirivarshan.S |
| Student Roll Number | 311019205702 |
| Maximum Marks | 2 Marks |

**LED BLINK AND TRAFFIC LIGHT SYSTEM**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) to low (off)

while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)

# led blink and traffic light system

# import the required libraries

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

#buzzer for alarm

buzzer = Buzzer(15)

button = Button(21)

# pin cofigurations for Traffic Lights (Red,Green,Amber)

lights = TrafficLights(25, 8, 7)

# iterate the loop statements.

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()

#end of the program