**Assignment 3**

**Python code:**

# 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