**Assignment -3**

**Python Programming**

**Question-1:**

Write python code for blinking LED and traffic Lights for Rasberrypi, only python code is enough no need to execute in raspberry pi.

**Solution:**

**Blinking of LED**

fromgpiozero 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()

**Traffic Light**

importRPi.GPIO as GPIO from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW) sleep(1)