**Assignment-3**

**Python code for blinking LED and Traffic lights for Raspberry pi.**

**Code for Blinking LED:**

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BOARD)

GPIO.setup(15, GPIO.OUT)

while True:

GPIO.output(15,True)

time.sleep(1)

GPIO.output(15,False)

time.sleep(1)

**Code for Traffic Light :**

from gpiozero import Button, TrafficLights, Buzzer

buzzersound =Buzzer(17)

button =Button(20)

lights =TrafficLights(25, 5, 3)

while True:

button.wait\_for\_press ( )

buzzersound.on ( )

light.green.on ( )

sleep (1)

lights.amber.on ( )

sleep (1)

lights.red.on ( )

sleep (1)

lights.off ( )

buzzersound.off( )