**ASSIGNMENT 3**

**Python code for blinking of led**

import RPi.GPIO as GPIO

import time

LED\_PIN = 17

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED\_PIN, GPIO.OUT)

GPIO.output(LED\_PIN, GPIO.HIGH)

time.sleep(1)

GPIO.output(LED\_PIN, GPIO.LOW)

GPIO.cleanup()

**Pyton code for traffic light**

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()