**ASSIGNMENT 3**

**PYTHON CODE FOR BLINKING LED;**

import time

import RPi.GPIO as GPIO ## Import GPIO library

GPIO.setmode(GPIO.BOARD) ## Use board pin numbering

GPIO.setup(11, GPIO.OUT) ## Setup GPIO Pin 11 to OUT

while True:

GPIO.output(11,True) ## Turn on Led

time.sleep(1) ## Wait for one second

GPIO.output(11,False) ## Turn off Led

time.sleep(1) ## Wait for one second

**PYTHON CODE FOR TRAFFIC LIGHTS;**

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()

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CSE - B /IV year

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