**ASSIGNMENT 3**

**1)PYTHON CODE FOR BLINKING LED for Raspberry Pi**

import RPi.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)

**2) PYTHON CODE FOR TRAFFIC LIGHTS for Raspberry Pi**

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()

**S.PARAMESH**

961819106041

Ponjesly College of Engineering