Professional Readiness For

**Innovation,Employability And Enterpreneurship**

**Assignment no**-3

**Python code for:**

1. LED Blinking using raspberry pi

2. Traffic light using Raspberry pi

**Submitted by:**

**NAME**: M.ANUSUYA

**REGNO:** 961819106301

**Batch:** B12-6A2E

Program for LED blinking:

**import RPi.GPIO as GPIO**

**import time**

**GPIO.setmode(GPIO.BCM)**

**GPIO.setwarnings(False)**

**GPIO.setup(18,GPIO.OUT)**

**print "LED on"**

**GPIO.output(18,GPIO.HIGH)**

**time.sleep(1)**

**print "LED off"**

**GPIO.output(18,GPIO.LOW)**

**Program for Traffic light LED:**

import RPi.GPIO as GPIO

import time

import signal

import sys

GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

def allLightsOff(signal, frame):

GPIO.output(9, False)

GPIO.output(10, False)

GPIO.output(11, False)

GPIO.cleanup()

sys.exit(0)

signal.signal(signal.SIGINT, allLightsOff)

while True:

GPIO.output(9, True)

time.sleep(3)

GPIO.output(10, True)

time.sleep(1)

GPIO.output(9, False)

GPIO.output(10, False)

GPIO.output(11, True)

time.sleep(5)

GPIO.output(11, False)

GPIO.output(10, True)

time.sleep(2)

GPIO.output(10, False)