SONA COLLEGE OF TECHNOLOGY

SALEM

Department Of Electronic Communication and Engineering

ASSIGNMENT – III

IOT Assignment

PROJECT TITLE: Smart Farmer – IOT Enabled Smart Farming Application

Name : Dinakaran C

ASSIGNMENT TITLE:

LED BLINKING CODE

```
import RPi.GPIO as GP from time import
sleep


GP.setwarnings(False)
GP.setmode(GP.BOARD)
GP.setup(8,GP.OUT,initial=GP.LOW)


while True:                #infinite loop GP.output(8, GPIO.HIGH)
                           # Turn on     print("The LED is ON")
   sleep(2)                # Sleep for 2 second


  GP.output(8, GPIO.LOW)          # Turn off    print("The LED is OFF")
   sleep(2)               # Sleep for 2 second
```

ASSIGNMENT TITLE:

TRAFFIC LIGHTRASBERRY

PYTHON CODE

```
From gpiozero import LED

From time import sleep

Red= LED(17) #pin numbers connected to Led's

Aster=(22)

Green=(27)

While True:

Red.on()          #RED light

Print("Red light is ON")

For I in range(100,0,-1):

Print("Remaining time: ",i)

Sleep(1)

Red.off()

Aster.on() # ASTER light

Print("Yellow light is ON")
```

```
For I in range(5,0,-1):

Print(“Remaining time: “,i)

Sleep(1)

Aster.off()

Green.on #GREEN light

Print(“Green light is ON”)

For I in range(30,0,-1):

 Print(“Remaining time: “,i)

 Sleep(1)

 Green.off()
```