

## ASSIGNMENT 3:

PROJECCT TITLE : SmartFarmer - IoT Enabled Smart Farming Application

NAME : ANUKEERTHANA S

REGISTER NUMBER : 710719104012

### CODE:

#### PYTHON CODE FOR BLINKING LED

```
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:
GP.output(8,GPIO.HIGH)
Print("The LED is ON")
Sleep(2)
GP.output(8,GPIO.LOW)
Print("The LED is OFF")
Sleep(2)
```

#### PYTHON CODE FOR TRAFFIC LIGHT CONTROLLER

```
from gpiozero import LED
from time import sleep
red = LED(17)
aster = (22)
green = (27)
while True:
red.on()
print("Red light is ON")
```

```
for i in range(100,0,-1):
    print("Remaining time: ",i)
    sleep(1)
    red.off()
    aster.on()
    print("Yellow light is ON")
for I IN RANGE(5,0,-1):
    print("Remaining time: ".i)
    sleep(1)
    aster.off()
    green.on
    print("Green light is ON")
for I in range(30,0,-1):
    print("Remaining time: ",i)
    sleep(1)
    green.off()
```