



MAHENDRA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Smart Farmer-IOT Enabled Smart Farming Application

IBM NALAIYATHIRAN

Assignment-3

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID17252
LEADER NAME	KARTHICKRAJA M
TEAM MEMBER NAME	KAVIN M KAVIYARASAN R LOGANATHAN K
MENTOR NAME	DIVYA BHARATHI G

TRAFFIC LIGHT RASBERRY PYTHON CODE

```
from gpiozero import LED
from time import sleep

#pin numbers connected to Led's

red= LED(17)

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()
```