ASSIGNMENT 3:

PROJECCT TITLE : **SmartFarmer - IoT Enabled Smart Farming Application**

NAME : MANI BHARATHI M

REGISTER NUMBER : 710719104058

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()