Department of Electronics and Communication Engineering

IOT Assignment 3

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PROJECT TITLE:	Smart Farmer-IOT Enabled Smart Farming Application

Topic:Write python code for blinking LED and TRAFFIC lights

CODE:
Traffic Light control:

```
    From
    gpiozero
    import Button,
    Traffic Lights,

    Buzzer from time import sleep
     buzzer = Buzzer(15)
    Button = Button(12)
    Lights = Traffic Lights(25,8,7)
        While True:
        button.wait_for_press()
        buzzer.on()
        lights.green.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.red.om()
        sleep(1)
        lights.off()
        buzzer.off()
```

Blinking Led: import RPi.GPIO as GIPO # Import Raspbery Pi GIPO library from time import sleep # Import the sleep function From the time module

```
GPIO.set warnings(False)          # Ignore warning for now
GIPO.set mode( GPIO BOARD)        # Use physical pin numbering
GIPO.setup(8,GIPO.OUT,initial=GIPO.LOW)    #set pin 8 to be an output
```
Pin and set initial value to low(off) While True: #Run forever

```
GIPO.output(8,GIPO.HIGH)          # Turn on
sleep(1) #sleep for 1 second
GIPO.output(8,GIPO.LOW)           #Turn off
sleep(1)#Sleep for 1 second
```