

# ASSIGNMENT 3

<b>Team ID</b>	<b>PNT2022TMID09303</b>
<b>Project Name</b>	IOT based smart crop protection system for agriculture

## *Python code for blinking LED and Traffic lights for Raspberry pi.*

```
import RPi.GPIO as GPIO
import time

ledPin = 22  # pin22

def setup():
    GPIO.setmode(GPIO.BOARD)
    GPIO.setup(ledPin, GPIO.OUT)
    GPIO.output(ledPin, GPIO.LOW)

def loop():
    while True:
        print 'LED on'
        GPIO.output(ledPin, GPIO.HIGH)
        time.sleep(1.0)
        print 'LED off'
        GPIO.output(ledPin, GPIO.LOW)
        time.sleep(1.0)

def endprogram():

    GPIO.output(ledPin, GPIO.LOW)
    GPIO.cleanup()

if __name__ == '__main__':
    setup()
    try:
        loop()
    except KeyboardInterrupt:
        endprogram()
```