ANNAI VEILANKANNI'S COLLEGE OF ENGINEERING

Department of computer science and engineering

IOT ASSIGNMENT

TOPIC : Write a python code for blinking LED and Traffic light for Raspberry pi.

BATCH NO : B1-1M3E

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CODING

```python
#!/usr/bin/env python

import RPi.GPIO as GPIO # RPi.GPIO can be referred as GPIO from now
import time


ledPin = 22    # pin22


def setup():
    GPIO.setmode(GPIO.BOARD)      # GPIO Numbering of Pins
    GPIO.setup(ledPin, GPIO.OUT)   # Set ledPin as output
    GPIO.output(ledPin, GPIO.LOW)  # Set ledPin to LOW to turn Off the LED


def loop():
    while True:
        print 'LED on'
        GPIO.output(ledPin, GPIO.HIGH)   # LED On
        time.sleep(1.0)            # wait 1 sec
        print 'LED off'
        GPIO.output(ledPin, GPIO.LOW)   # LED Off
        time.sleep(1.0)            # wait 1 sec
def endprogram():

    GPIO.output(ledPin, GPIO.LOW)     # LED Off
    GPIO.cleanup()                # Release resources
```