

**ST JOSEPH'S INSTITUTE OF TECHNOLOGY**

[Department of Electronics & Communication Engineering]

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**ASSIGNMENT -03**

**Write python code for blinking LED and Traffic lights for Raspberry pi**

**CODE:**

```
import RPi.GPIO as GPIO # Importing Raspberry Pi GPIO lib
from time import sleep # Import the sleep function from the time
module

GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an
output pin and set initial value to low (off)

while True: # Run forever
    GPIO.output(8, GPIO.HIGH) # Turn on
    sleep(1) # Sleep for 1 second
    GPIO.output(8, GPIO.LOW) # Turn off
```

```
sleep(1) # Sleep for 1 second
```