

GOVERNMENT COLLEGE OF ENGINEERING,SALEM-11

[Department of Electronics & Communication Engineering]

ASSIGNMENT -3

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TOPIC: 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
```