

Permission management system for NITC Labs

Software Requirement Specification

A. Problem Description:

To automate the process of taking permission of SSL and NSL for events, workshops, and other special occasions.

B. Purpose:

The system will allow students to register permission for NSL, SSL as simply and rapidly as possible. It will help students to get permission in the shortest reasonable time.

C. Functional Requirements:

- **Input:-**

The system will accept the permission request of any batch of CSED student. And these requests are acceptable to CSED faculty.

- **Output:-**

After verified by final authority the system will generate a pdf format of approved permission.

- **Data Store:-**

This system will store a tentative calendar which will show all the workshop, events timing with the lab, that is visible to all the students and faculties.

- **Computations:-**

- 1. **Users:**

- Student
 - Faculty Incharge of NSL/SSL
 - Staff Incharge of NSL/SSL
 - Student Lab Admins
 - Web Admin(Responsible for maintaining this application who will add all the above-mentioned users)

- 2. **Roles of Users**

- a. **Student**

- Login(using nitc mail -id and password)

- I. Initiate a new Application for using NSL/SSL

- II. View all approved application for using NSL/SSL, for the current month

- III. Check for your current application status.

- IV. Raise issue for

- b. **Faculty Incharge of NSL/SSL**

Login(using user id and password provided by web admin)

I. View all approved application for using NSL/SSL, for the current month.

II. View all the application raised for using NSL/SSL

III. Approve or decline the application

c. Staff Incharge of NSL/SSL

I. Response after approval will be sent to Staff I/C for further arrangement

d. Lab Admins

I. Response after approval will be sent to Lab Admins for further arrangement

II. Acceptance of presence during the event.

f. Web Admins

I. Will manage whole application and initially add users.

D.Non-Functional Requirement:-

- **Response time:-**

When a student raises a request for a lab, the request will forward to the the respective authorities immediately and after verifying by final authority student will get the approved certificate within a few seconds.

- **Reliability:-**

The system will generate a calendar of events with booked labs correctly and the requests raised by students will reach to all respective authorities without any failure.

- **Allowance for maintainability and enhancement:-**

Now, this system is only working for two labs i.e SSL and NSL. Its subsequent releases, this system will work for all the labs of NITC and it will handle events, workshops, seminars and for getting permission for common rooms,halls ..etc.