

Library management system:

~User Documentation

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About LMS:

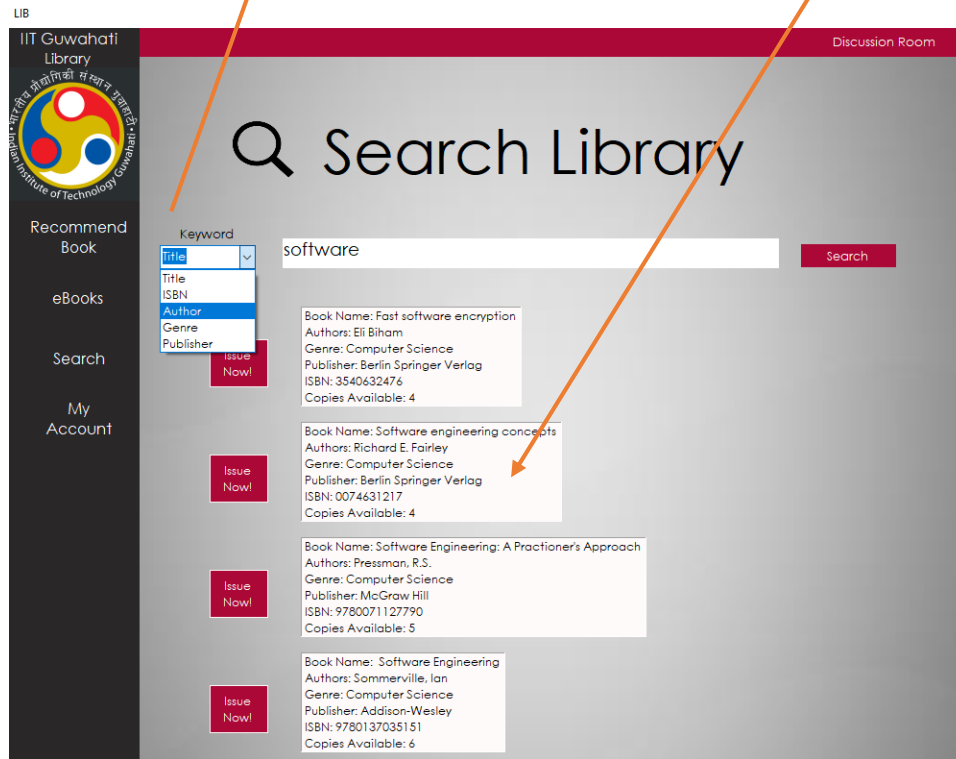
LMS (library management system) is aimed to develop a software for a library system to make users and admin interaction with ease and to manage library system more conveniently. Our LMS is a modified system for library management with lots newly added features such as E-books, Discussion room, recommend books and improvised admin rights. Our LMS is an improvised library management system.

Getting into LMS:

First interface (search page):

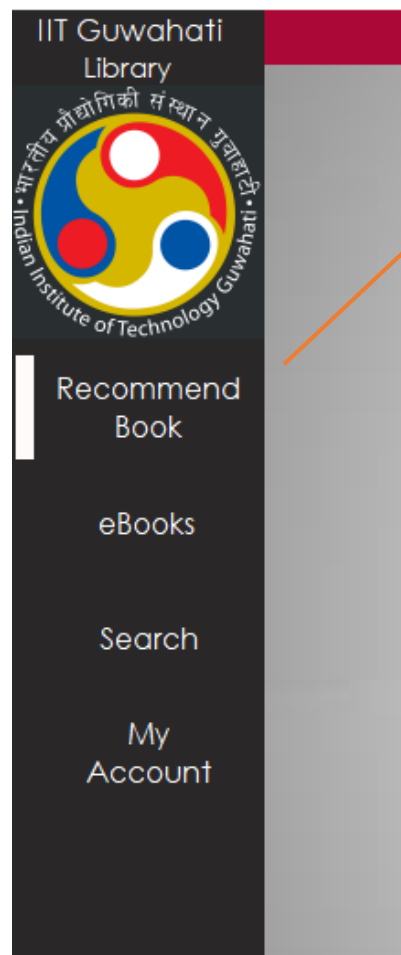
Search by different fields

Search results are shown



This is the first interface displayed on running our application. This page let users (even for the people not logged into our LMS system) to browse through books in the library. Our browsing part made user easy to search through books on basis of title, genre, author etc, this makes users more convenient for browsing through books. The books that are matched with the searching are displayed below.

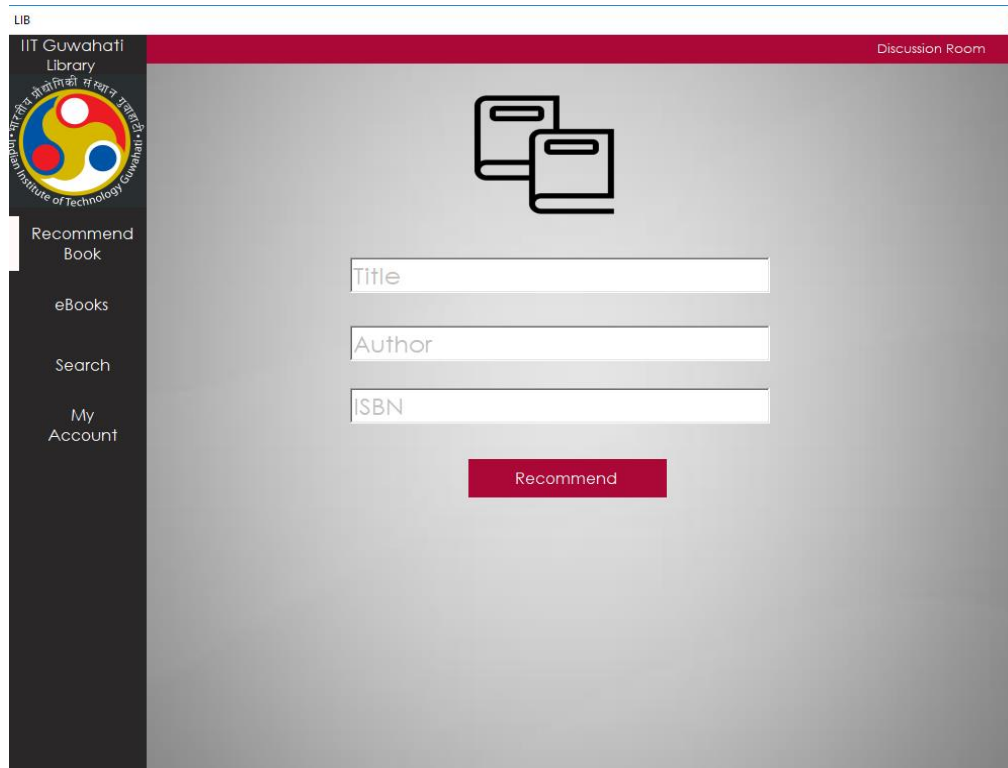
Moving through functionalities:



Other fields offered

As we can see in the side panel other provided functionalities of the LMS recommend books, Ebooks, My account. Getting into more details:

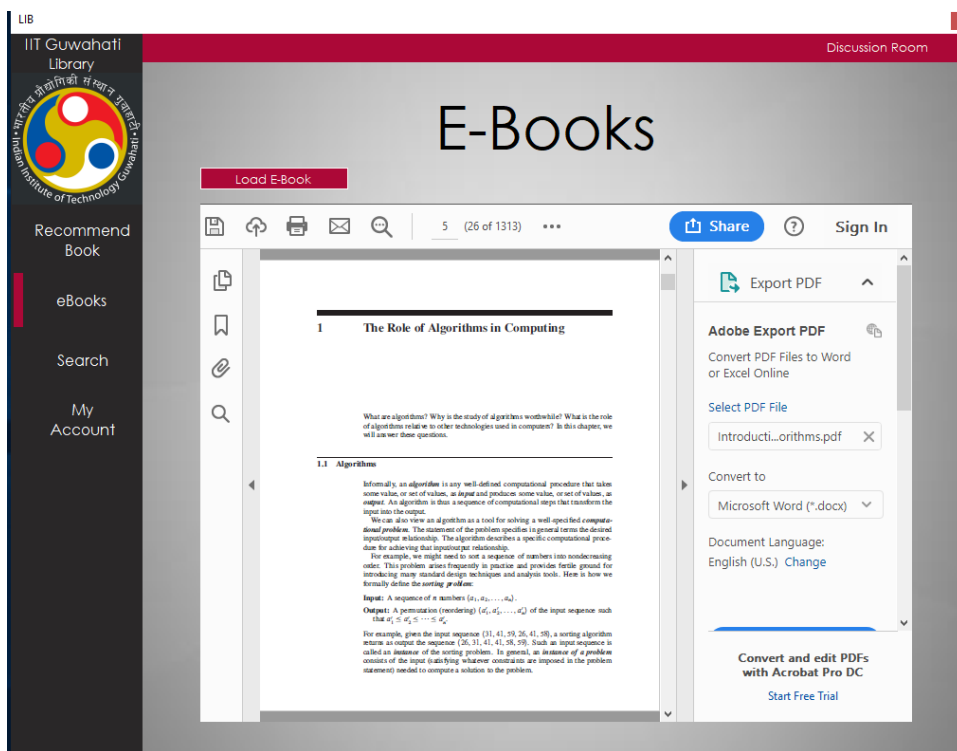
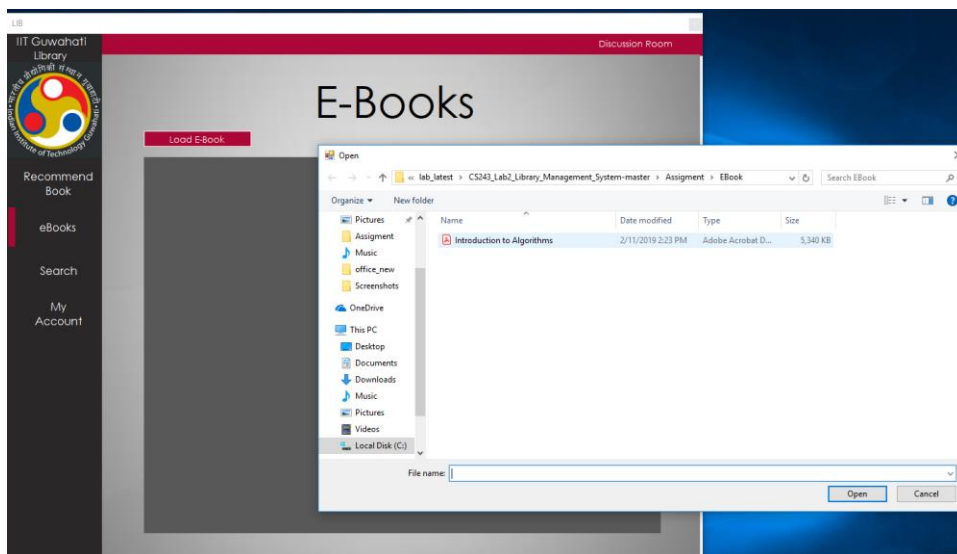
Recommend books:



The screenshot shows a web interface for the IIT Guwahati Library. On the left is a dark sidebar with the library's logo and navigation links: 'Recommend Book', 'eBooks', 'Search', and 'My Account'. The top of the page has a red header with 'LIB' on the left and 'Discussion Room' on the right. The main content area is light gray and features an icon of two books at the top center. Below the icon are three white input fields labeled 'Title', 'Author', and 'ISBN'. At the bottom center of this area is a red button labeled 'Recommend'.

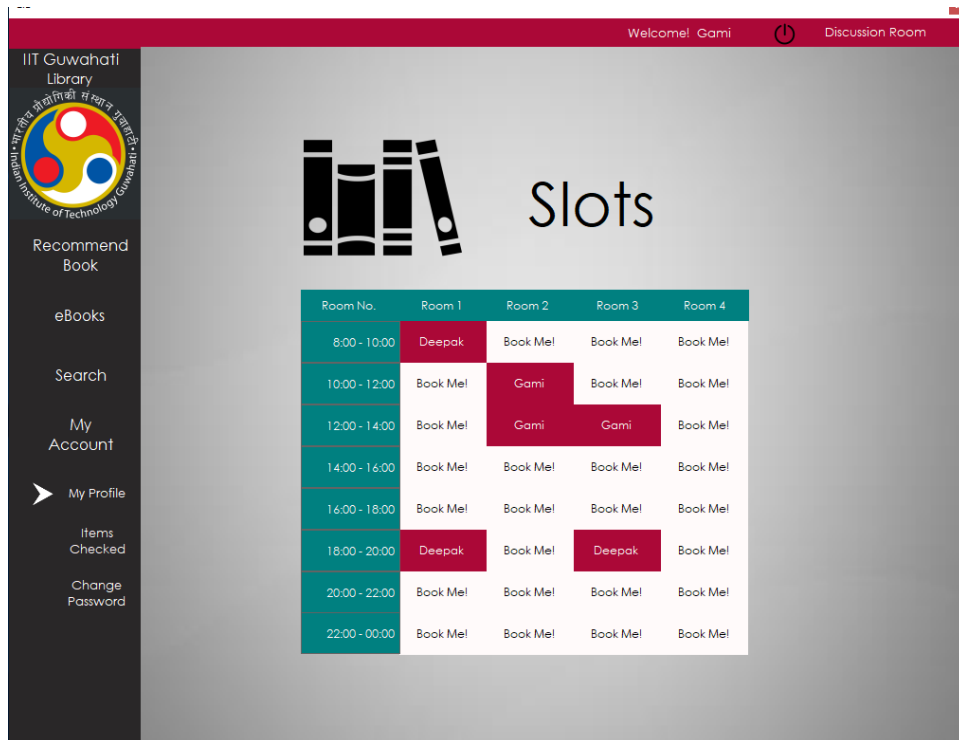
A system without feedback is not a complete system. There is a strong need to know the user requirements. Hence our LMS let the users to recommend books to the admin so that admin can know user requirements more deliberately. User can recommend them on the basis of title, author and ISBN.

E books:



Providing books to all required users is not a simple thing. A library may not have such a large number of copies. So our LMS let the users to access Ebooks available to download from the application.

Discussion room:

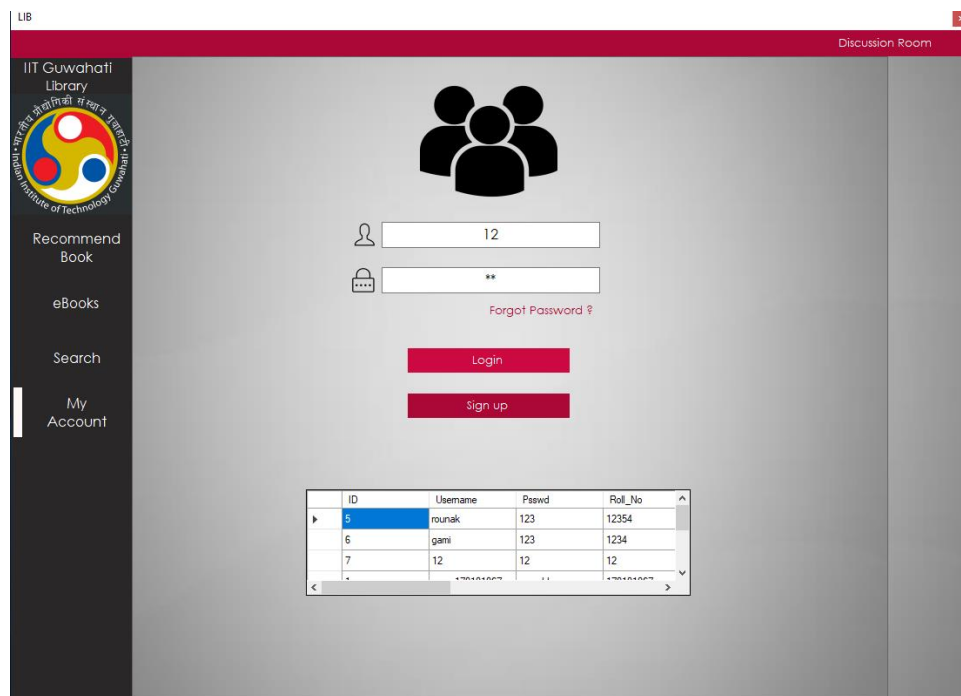


Slots

Room No.	Room 1	Room 2	Room 3	Room 4
8:00 - 10:00	Deepak	Book Me!	Book Me!	Book Me!
10:00 - 12:00	Book Me!	Gami	Book Me!	Book Me!
12:00 - 14:00	Book Me!	Gami	Gami	Book Me!
14:00 - 16:00	Book Me!	Book Me!	Book Me!	Book Me!
16:00 - 18:00	Book Me!	Book Me!	Book Me!	Book Me!
18:00 - 20:00	Deepak	Book Me!	Deepak	Book Me!
20:00 - 22:00	Book Me!	Book Me!	Book Me!	Book Me!
22:00 - 00:00	Book Me!	Book Me!	Book Me!	Book Me!

It is good to have a group to share ideas and debate on a topic. So we thought of developing a discussion room to book a plot for discussing about a topic in our library. A logged in user can book a plot for discussion room in the application. The application shows available slots 1 hour each and let user to book for them in advanced.

Logging into account:



ID	Username	Pswd	Roll_No
5	rounak	123	12354
6	gami	123	1234
7	12	12	12

This page let the users to logging into their account to manage their account or to issue a book from library.

- My profile:

This page let the users to view their details

- Items checked:

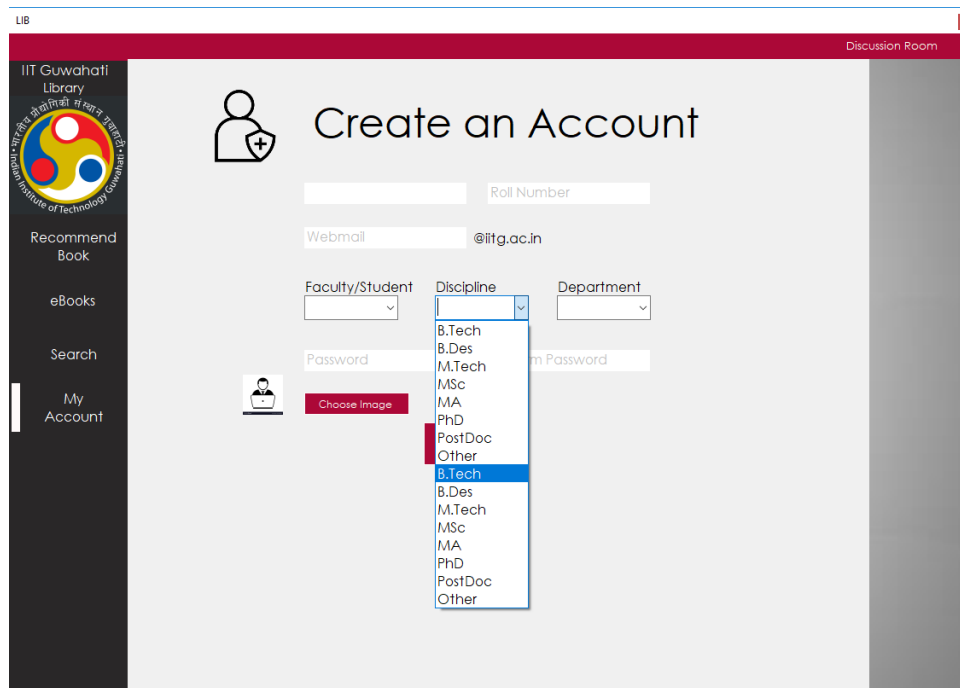
This prompt keeps track of previous history of the users books issued by him and books to be returned.

- Change password:

It's a good idea to change password for more user privacy and security. So, our system let the user to update his password whenever he needs.

Creating a new account:

This page let the new users to sign up into our LMS with their credentials. They can upload their image by clicking on add image. He can sign up as a student or faculty or as an admin.



Logging into LMS as admin:

The rights and tasks of an admin are quite different from that of a user. They have special rights in managing the database of the LMS system such as adding books, removing books, and knowing book and user details and to know recommended books by the users.

Adding and removing books:

An admin must have rights to manage the database of books, in case a new book is added he should be able to add a book or can

remove a book incase if it is lost. So, if a person logged in as admin he should be able to add book or can remove it with this feature.

The screenshot displays the 'Add Book' form in the IIT Guwahati Library web application. The interface features a dark sidebar on the left with the library's logo and navigation links: 'Add Book', 'Remove Book', 'Books Detail', 'Recommended Books', and 'Users Detail'. The main content area has a light gray background with a form containing input fields for 'Title', 'Author', 'ISBN', 'Genre', and 'Publisher'. An 'Add' button is positioned below the 'Publisher' field. To the right of the form is a large gray box with the text 'No image'. The top navigation bar includes a 'Welcome!' message, a power icon, and a 'Discussion Room' link.

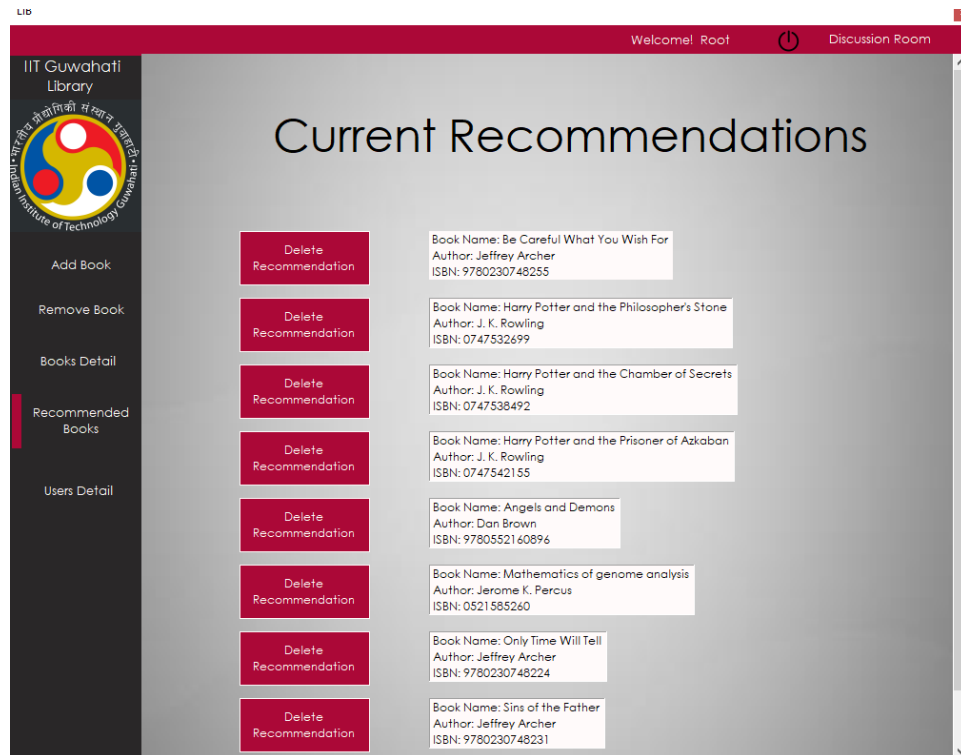
The screenshot shows the 'Remove Book' page in the IIT Guwahati Library web application. The sidebar on the left is identical to the previous screenshot, with the 'Remove Book' link highlighted. The main content area has a light gray background and features a search bar with a 'Keyword' dropdown set to 'Title' and a text input field containing 'software'. A red 'Search' button is to the right of the input field. Below the search bar is a list of four books, each with a red 'Remove' button to its left. The book details are as follows:

Book Name	Authors	Genre	Publisher	ISBN	Copies Available
Fast software encryption	Eli Biham	Computer Science	Berlin Springer Verlag	3540632476	3
Software engineering concepts	Richard E. Fairley	Computer Science	Berlin Springer Verlag	0074631217	3
Software Engineering: A Practioner's Approach	Pressman, R.S.	Computer Science	McGraw Hill	9780071127790	5
Software Engineering	Sammerville, Ian	Computer Science	Addison-Wesley	9780137035151	6

Below the list, the book name 'Book Name: An Integrated Approach to Software Engineering' is partially visible.

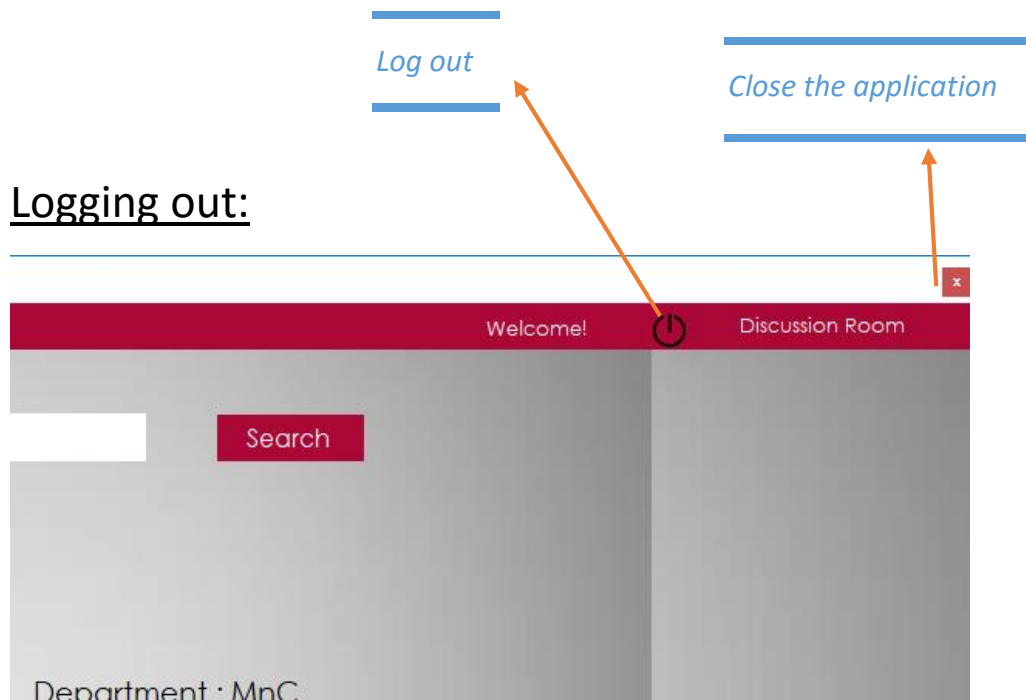
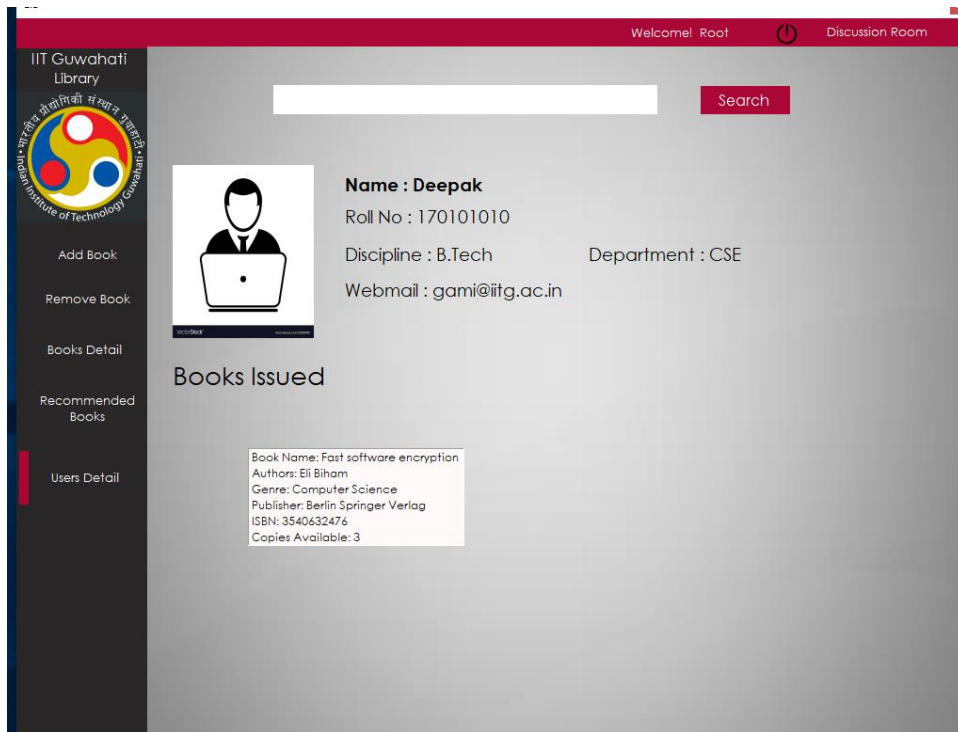
Recommended books:

This lets the admin to know what books are recommended by the users such that he can improvise the library system.



Knowing user and book details:

This let the admin to provide the right to admin to access the details of every book and every user in library management system such that he can manage the library more efficiently.



By clicking on logout button you can log out from your account.
Right upper corner red close button closes or stops the application.