

ONLINE LIBRARY MANAGEMENT SYSTEM

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Online Library Management System is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, library staff and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task.

Owing to the advancement of technology, organization of an Online Library becomes much simple. The Online Library Management has been designed to computerize and automate the operations performed over the information about the members, book issues and returns and all other operations. This computerization of library helps in many instances of its maintenance. It reduces the workload of management as most of the manual work done is reduced

1. INTRODUCTION

This chapter gives an overview about the aim , objectives ,background and operation environment of the system.

1.1 PROJECT AIMS AND OBJECTIVES

The project aims and objectives that will be achieved after completion of this project are discussed in this sub chapter. The aims and objectives are as follows:

- Online book reading.
- A search column to search availability of books.
- Facility to download required book.
- Video tutorial for students.
- An Admin login page where admin can add books, videos or page sources.

1.2 BACKGROUND OF PROJECT

E-Library Management System is an application which refers to library systems which are generally small or medium in size. It is used by librarian to manage the library using a computerized system where he/she can add new books, videos and Page sources.

Books and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description about the books a library contains. With this computerized system there will be no loss of book record or member record which generally happens when a non computerized system is used.

All these modules are able to help librarian to manage the library with more convenience and in a more efficient way as compared to library systems which are not computerized.

2. LITERATURE SURVEY AND RELATED WORK

topic. While I can't provide you with specific articles or papers, I can suggest some key areas and topics to explore in your literature survey.

INTRODUCTION

Understanding the basics of library management systems, their history, and evolution.

Benefits and Challenges:

Research on the advantages of implementing library management systems, such as improved efficiency, accessibility, and user experience.

User Experience and User Satisfaction:

Studies on how library management systems impact the experience of library users, including students, faculty, and staff.

User satisfaction surveys and feedback analysis.

Technological Trends:

Exploring emerging technologies like RFID, AI, data analytics in library management systems.

Open Source vs. Proprietary Systems:

Comparative studies between open-source and proprietary library management systems.

Integration and Interoperability:

Research the integration of library management systems with other institutional systems, such as learning management systems and databases.

Security and Privacy:

Investigating the security measures in place to protect library data and user privacy.

Digital Libraries and E-resources:

How library management systems adapt to the digital age, managing e-books, journals, and electronic resources.

Usability and Accessibility:

Studies on the usability and accessibility of library management systems for individuals with disabilities.

Case Studies and Best Practices:

Examining successful implementations of library management systems in various institutions.

3. EXISTING SYSTEM

Early days Libraries are managed manually. It required lot of time to record or to retrieve the details. The employees who have to record the details must perform their job very carefully. Even a small mistake would create a lot of problems. Security of information is very less. Report generations of all the information is very tough task.

Maintenance of Library catalogue and arrangement of the books to the catalogue is very complex task. In addition to its maintenance of member details, issue dates and return dates etc. manually is a complex task.

All the operations must be performed in perfect manner for the maintenance of the library with out any degradation which may finally result in the failure of the entire system.

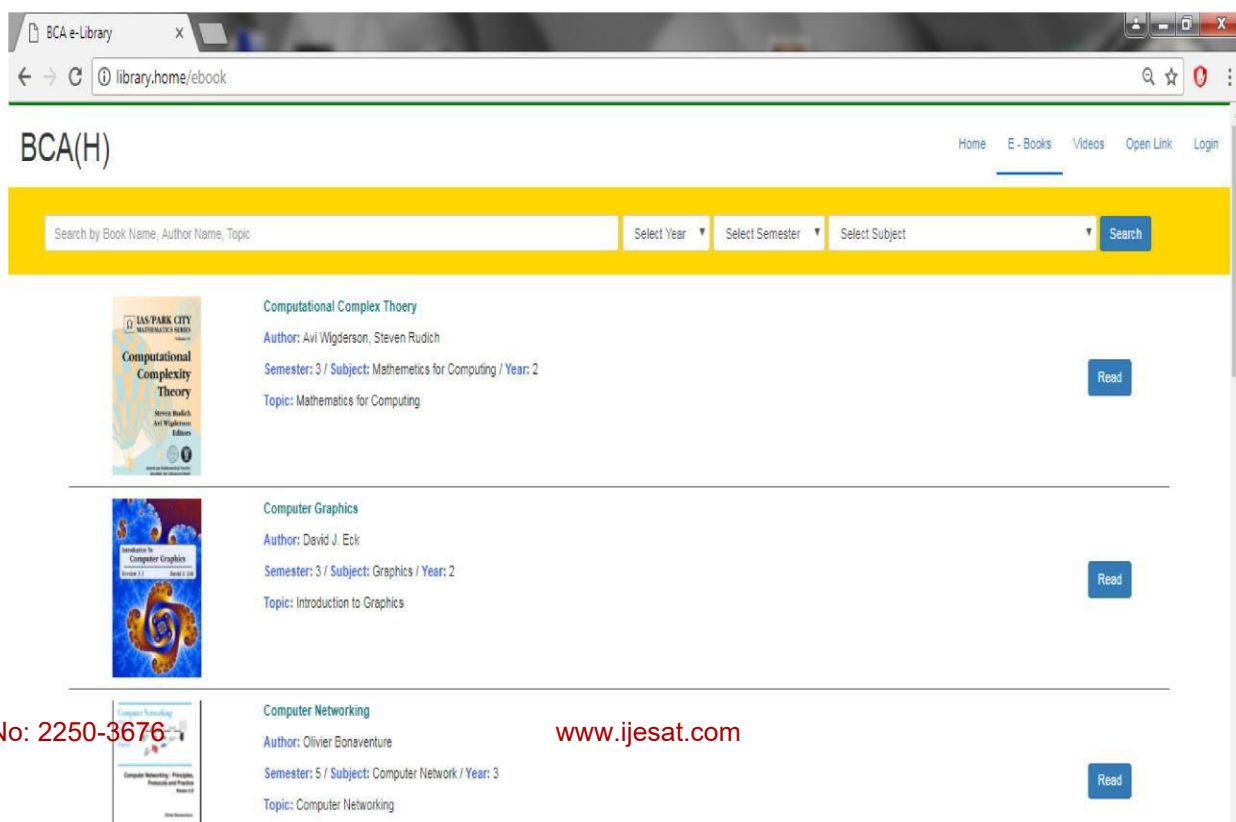
4. PROPOSED SYSTEM

To solve the inconveniences as mentioned in the existing system, an **Online Library** is proposed. The proposed system contains the following features:

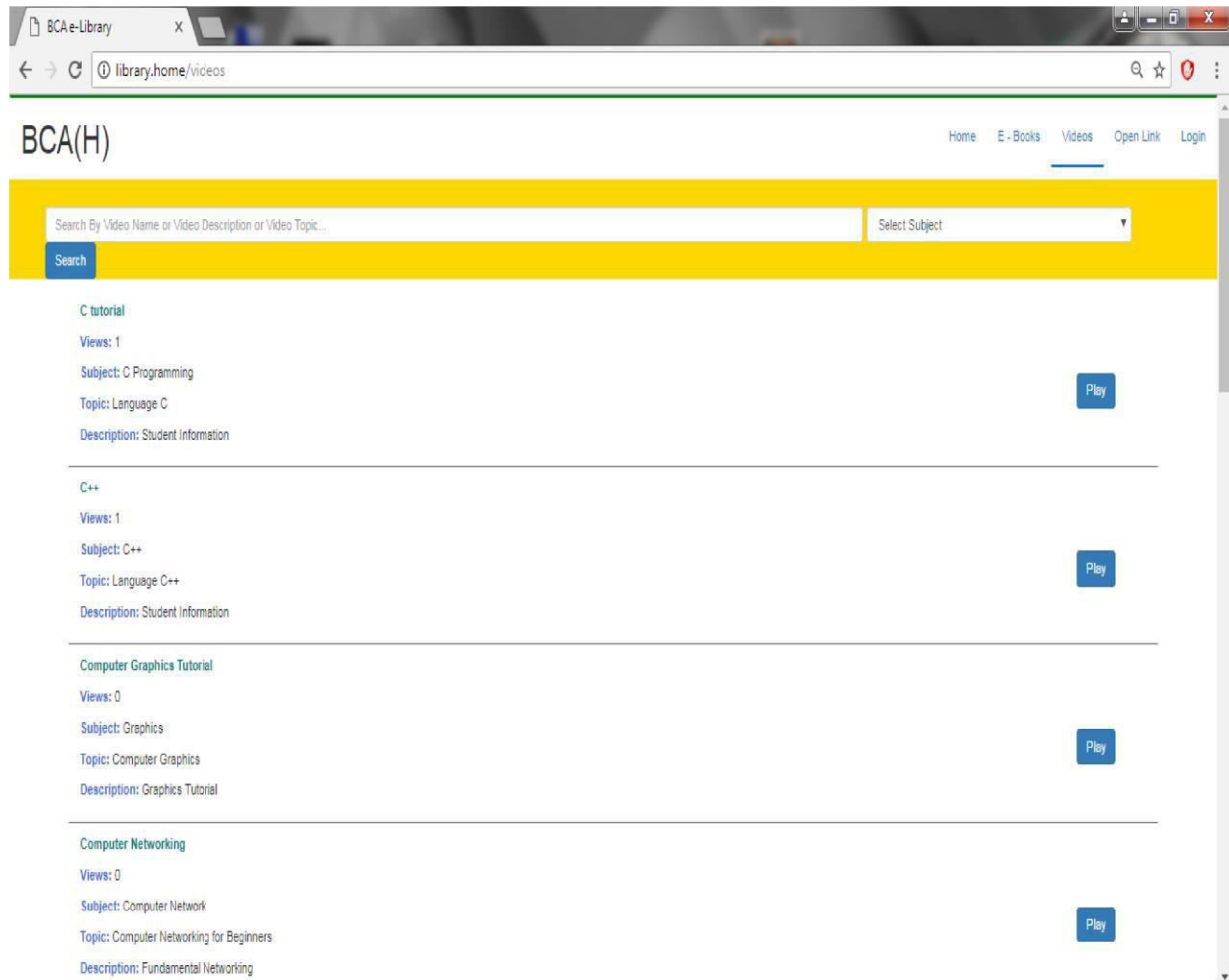
- ✓ The students will register them through Online
- ✓ Individually each member will have his account through which he can access the information he needs.
- ✓ Book details like authors, number of copies totally maintained by library, present available number of books, reference books, non-reference books etc. all this information can be made handy.
- ✓ Regarding the members designation, number of books was issued.
- ✓ Issue dates and returns of each member is maintained separately and fine charged if there is any delay in returning the book.
- ✓ Administrator can add, update the books.
- ✓ Time consuming is low, gives accurate results, reliability can be improved with the help of security.

5. METHODOLOGIES

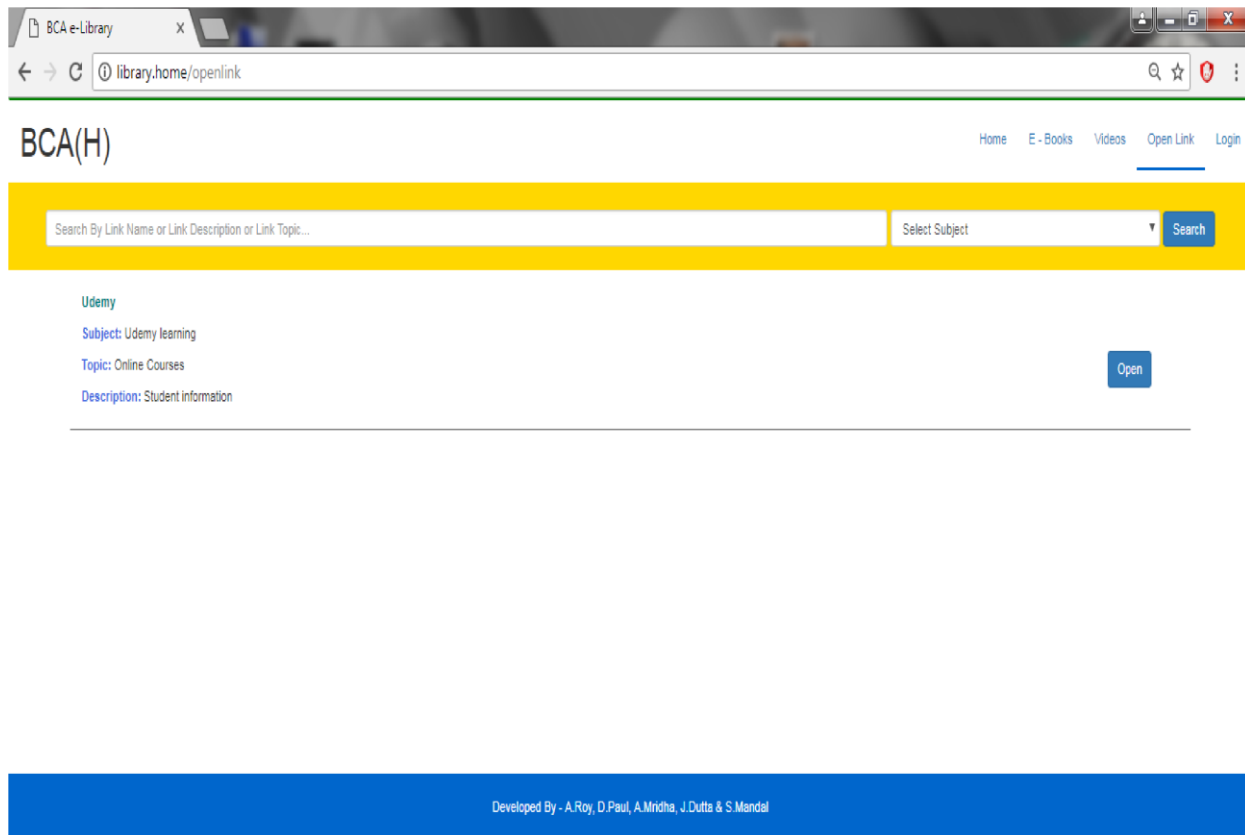
Screenshot of e-books from user:



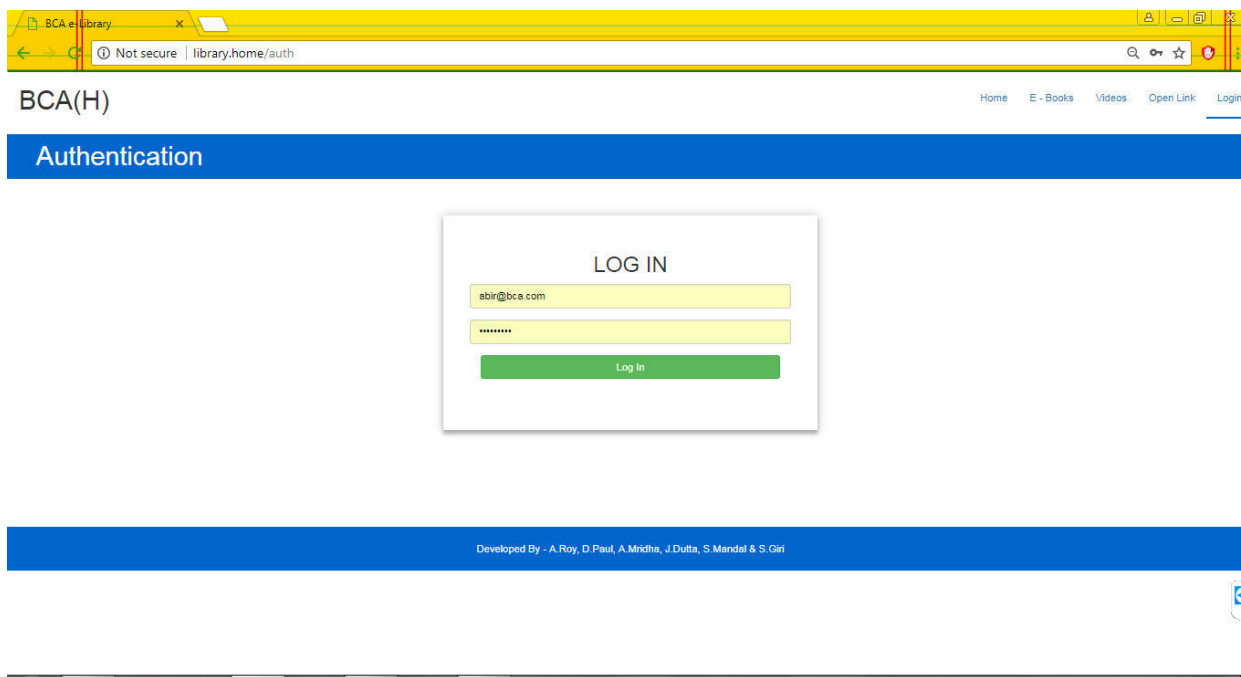
Screenshot of videos from user:



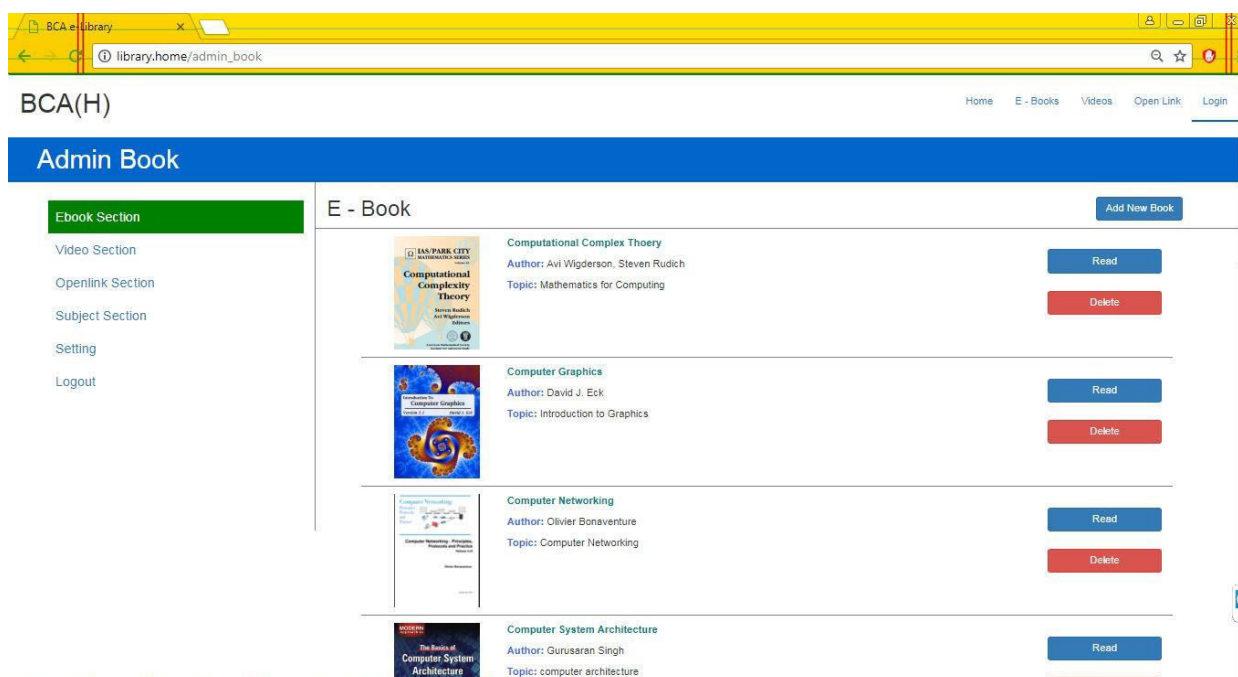
Screenshot of open-link from user:



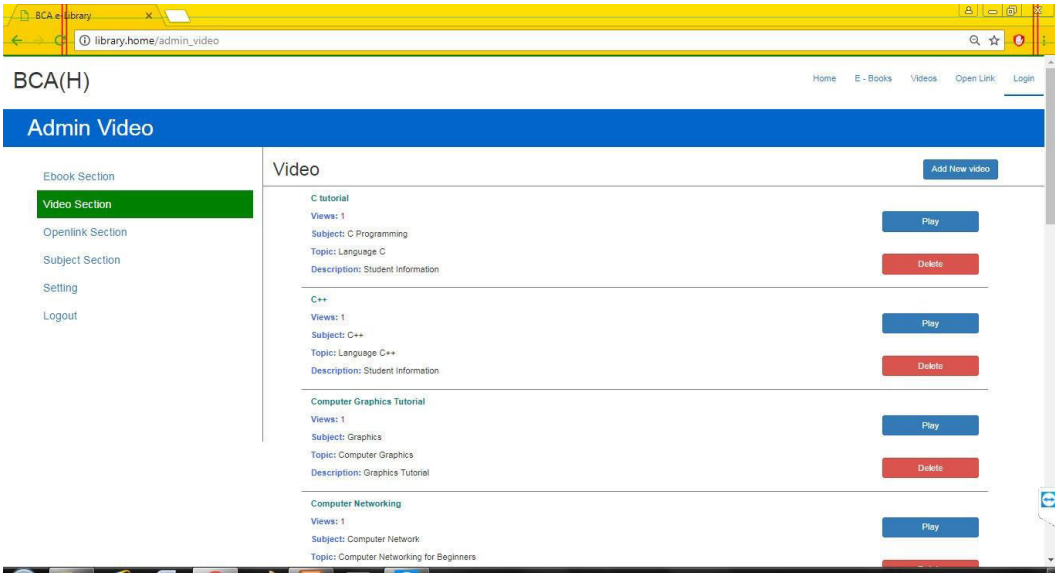
Screenshot of login for admin:



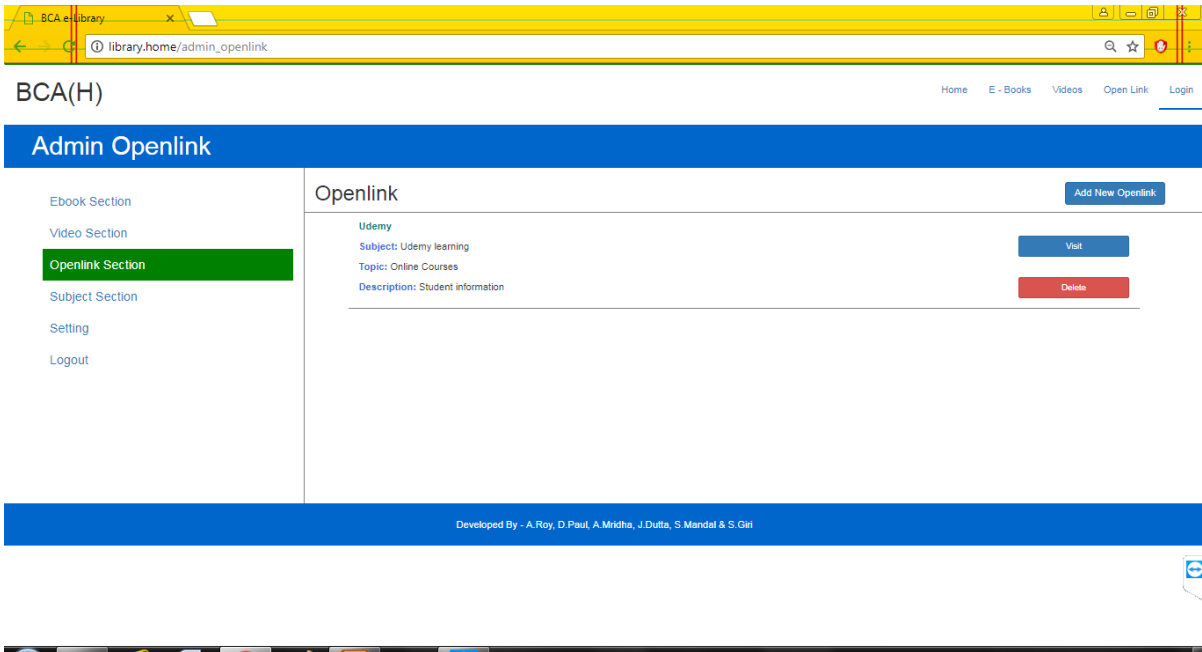
Screenshot of e-book from admin:

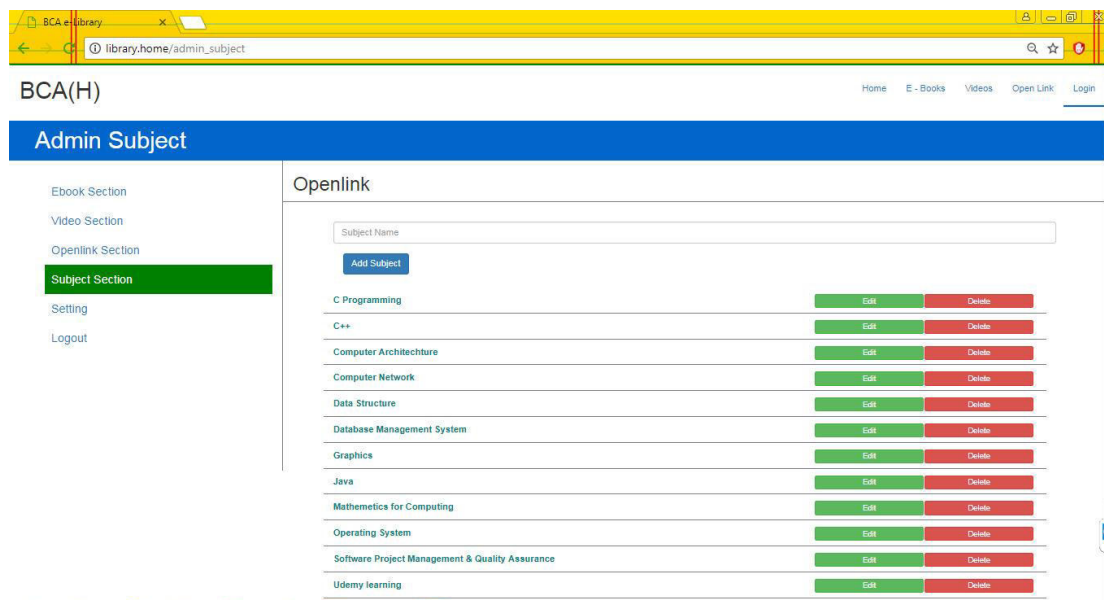
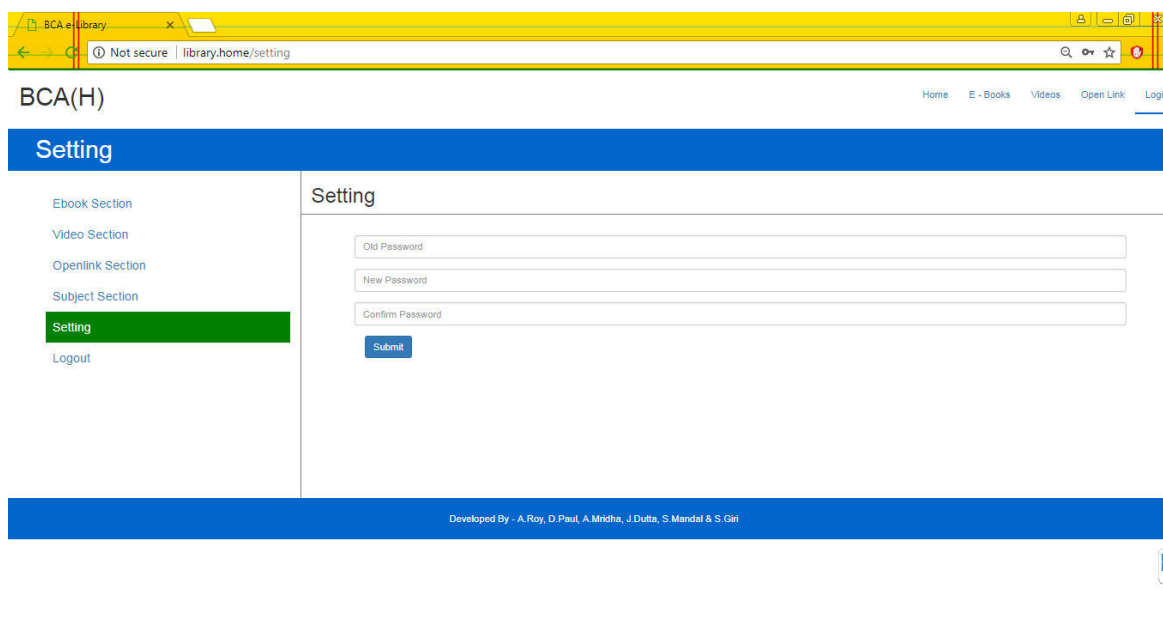


Screenshot of videos from admin:



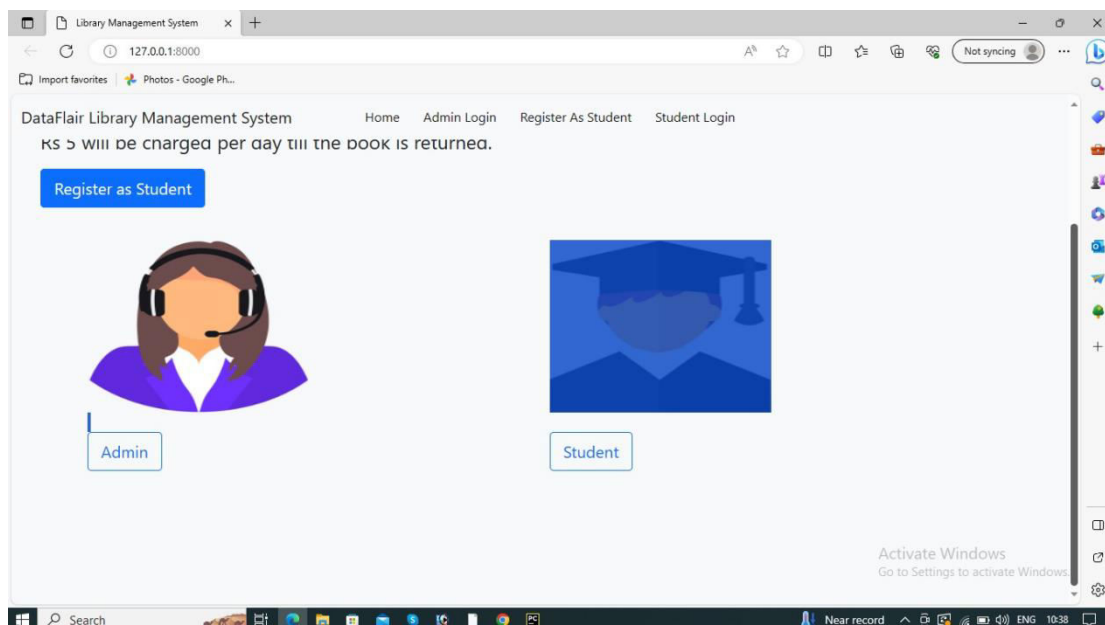
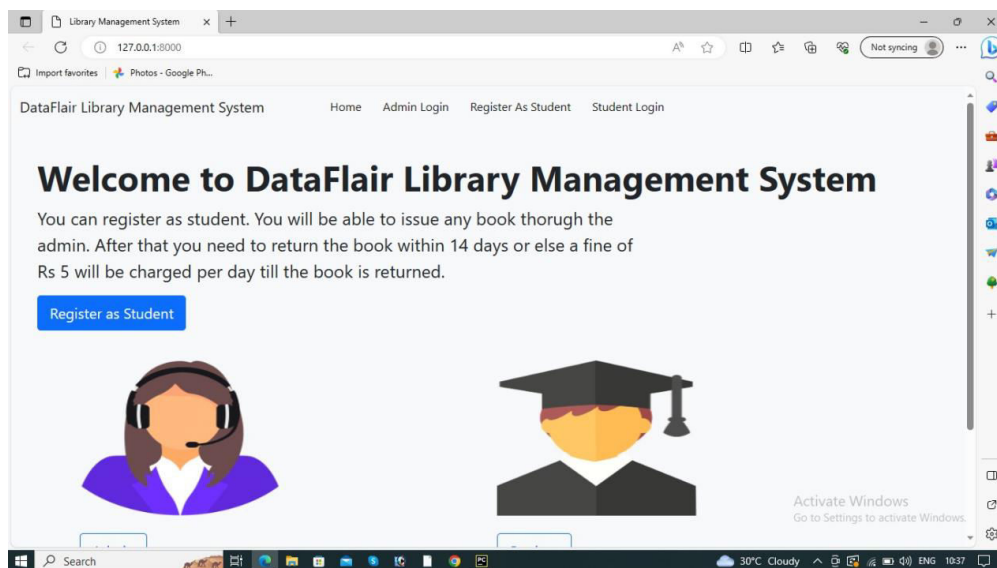
Screenshot of open-link from admin:



Screenshot of subjects from admin:**Screenshot of settings from admin****MODULE DESCRIPTION**

For Library Management System it is divided into the following Modules:

6. RESULTS AND DISCUSSION SCREEN SHOTS



The screenshot shows the 'Student Registration' page of the DataFlair Library Management System. The page has a navigation bar with links: Home, Admin Login, Register As Student, and Student Login. The main heading is 'Student Registration'. Below it, there are several input fields for registration: Username, First Name, Last Name, Email, Mobile Number, Branch Name, Class Name, Roll Number, and a Student Image upload section with a 'Choose File' button. The Windows taskbar at the bottom shows the system time as 10:38.

Library Management System x +

127.0.0.1:8000/student_registration/

DataFlair Library Management System Home Admin Login Register As Student Student Login

Student Registration

Username
Enter Username

First Name **Last Name**
Enter First Name Enter Last Name

Email **Mobile Number**
Enter Email Enter Mobile Number

Branch Name **Class Name**
Enter Branch Name Enter Class Name

Roll Number **Student Image**
Enter Roll Number Choose File No file chosen

Activate Windows
Go to Settings to activate Windows.

Search Near record 10:38

The screenshot shows the 'Student Login' page of the DataFlair Library Management System. The page has a navigation bar with links: Home, Admin Login, Register As Student, and Student Login. The main heading is 'Student Login'. Below it, there are input fields for Username (containing 'bhavya') and Password (masked with dots). A blue 'Login' button is positioned below the password field. The Windows taskbar at the bottom shows the system time as 10:49.

Library Management System x +

127.0.0.1:8000/student_login/

DataFlair Library Management System Home Admin Login Register As Student Student Login

Student Login

Username
bhavya

Password
.....

Login

Activate Windows
Go to Settings to activate Windows.

Search 30°C Cloudy 10:49

7. CONCLUSION AND FUTURE SCOPE

This website provides a computerized version of library management system which will benefit the students as well as the staff of the library.

It makes entire process online where student can search books, staff can generate reports and do book transactions. It also has a facility for student login where student can login and can see status of books issued as well request for book or give some suggestions. It has a facility of teacher's login where teachers can add lectures notes and also give necessary suggestion to library and also add info about workshops or events happening in our college or nearby college in the online notice board.

There is a future scope of this facility that many more features such as online lectures video tutorials can be added by teachers as well as online assignments submission facility , a feature Of group chat where students can discuss various issues of engineering can be added to this project thus making it more interactive more user friendly and project which fulfills each users need in the best way possible.

8. REFERENCES

http://www.w3schools.com/html/html_intro.asp

http://www.Udemy.com/css/css_background.asp

http://www.w3schools.com/js/js_datatypes.asp

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