

## SCREENSHOTS

**LOGIN/SIGN IN PAGE:** Where the user can login or sign in

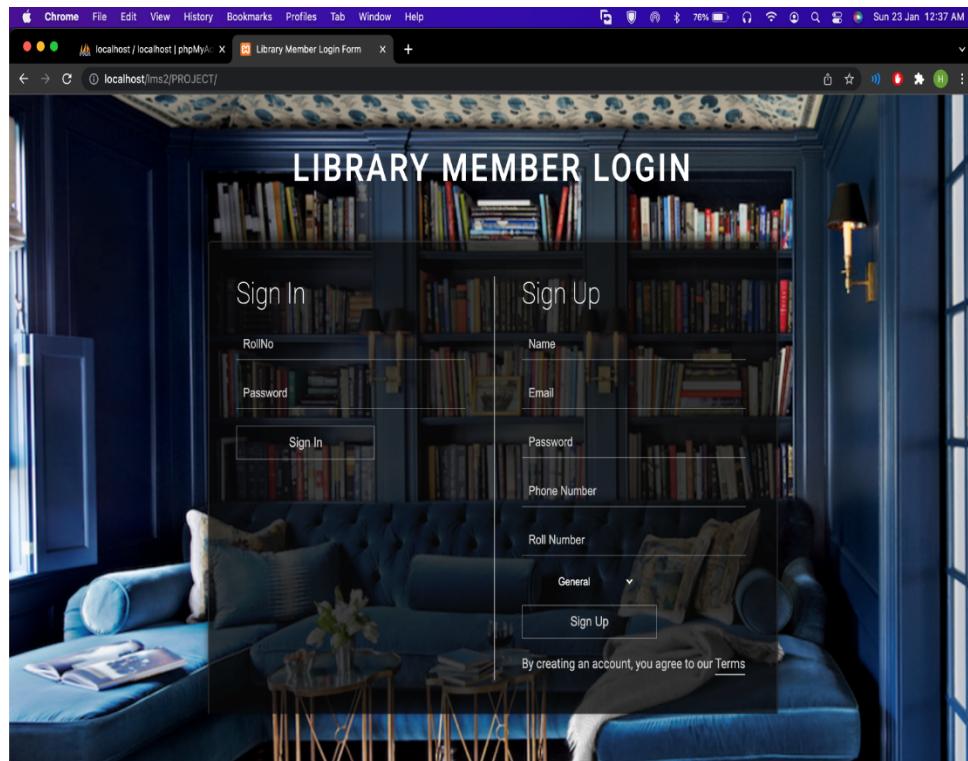


Figure 4.1

**Student home page:** Where the student can view his/her own profile

A screenshot of a web application interface. On the left, there is a vertical sidebar with a dark grey header containing icons and text for "Home", "Messages", "All Books", "Previously Borrowed Books", "Recommend Books", "Currently Issued Books", and "Logout". The main area features a large, stylized black and white silhouette of a person's head and shoulders. Below the silhouette, the name "harsh" is displayed in a bold, sans-serif font. Underneath the name, the following details are listed: "Email ID: harsh@gmail.com", "Roll No: 79", "Category: GEN", and "Mobile number: 6756453412". At the bottom right of this section is a blue "Edit Details" button.

Figure 4.2

**Messages:** Where the students can view the messages sent by the admin

| Message              | Date       | Time     |
|----------------------|------------|----------|
| RETURN THE BOOK ASAP | 2022-01-31 | 19:28:18 |
| HELLO                | 2022-01-31 | 19:28:02 |

*Figure 4.3*

**View books:** Where the students can view the books available in the library.

| Book id | Book name                    | Availability  | Details | Issue |
|---------|------------------------------|---------------|---------|-------|
| 11      | Atomic and Nuclear Systems   | AVAILABLE     | Details | Issue |
| 18      | Theory of Machines           | AVAILABLE     | Details | Issue |
| 12      | The PlayBook                 | AVAILABLE     | Details | Issue |
| 8       | Database Processing          | AVAILABLE     | Details | Issue |
| 6       | DSA                          | AVAILABLE     | Details | Issue |
| 7       | Discrete Structures          | AVAILABLE     | Details | Issue |
| 14      | Heat and Thermodynamics      | AVAILABLE     | Details | Issue |
| 16      | Nuclear Physics              | AVAILABLE     | Details | Issue |
| 17      | Operating System             | AVAILABLE     | Details | Issue |
| 15      | Machine Design               | AVAILABLE     | Details | Issue |
| 13      | General Theory of Relativity | AVAILABLE     | Details | Issue |
| 9       | Computer System Architecture | AVAILABLE     | Details | Issue |
| 3       | TOC                          | AVAILABLE     | Details | Issue |
| 10      | C: How to program            | AVAILABLE     | Details | Issue |
| 5       | DAA                          | NOT AVAILABLE | Details |       |
| 4       | TOC                          | NOT AVAILABLE | Details |       |
| 2       | DBMS                         | NOT AVAILABLE | Details |       |
| 1       | OS                           | NOT AVAILABLE | Details |       |

*Figure 4.4*

**Previously borrowed books:** Where the previously borrowed books can be viewed by a student.

The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/student/history.php'. The page has a dark blue header bar with the title 'LMS' and a search bar. Below the header is a navigation sidebar with options: Home, Messages, All Books, Previously Borrowed Books (which is highlighted in blue), Recommend Books, Currently Issued Books, and Logout. The main content area contains a table with the following data:

| Book id | Book name | Issue Date | Return Date |
|---------|-----------|------------|-------------|
| 3       | TOC       | 2018-07-16 | 2018-10-25  |

Figure 4.5

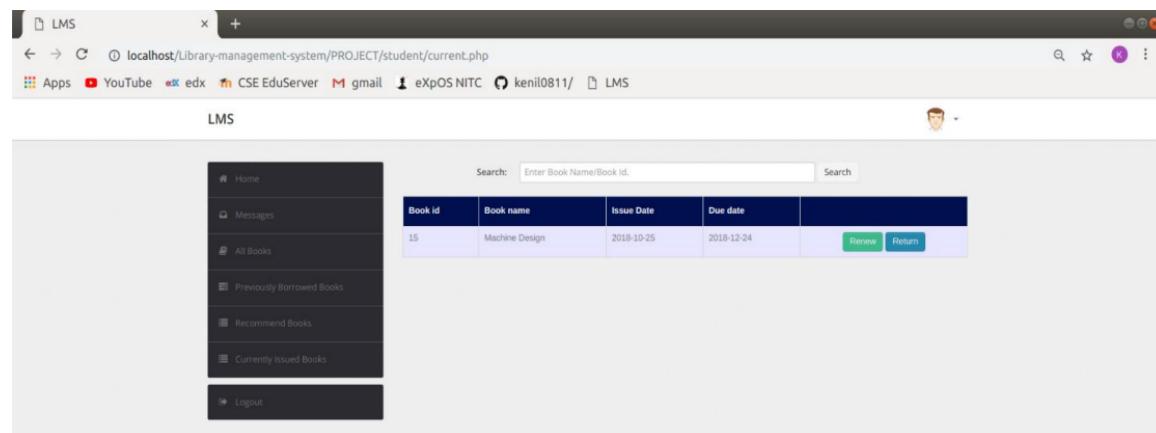
**Recommend a book:** Where the books the books can be recommended to the admin

The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/student/recommendations.php'. The page has a dark blue header bar with the title 'LMS' and a search bar. Below the header is a navigation sidebar with options: Home, Messages, All Books, Previously Borrowed Books, Recommend Books (which is highlighted in blue), Currently Issued Books, and Logout. The main content area is titled 'Reccomend a Book' and contains a form with fields for 'Book Title' (with placeholder 'Title') and 'Description' (with placeholder 'Description'), followed by a 'Submit Recommendation' button.

Figure 4.6

## Library Management System

**Currently issued books:** Where a student can view the books which are currently issued to him/her.

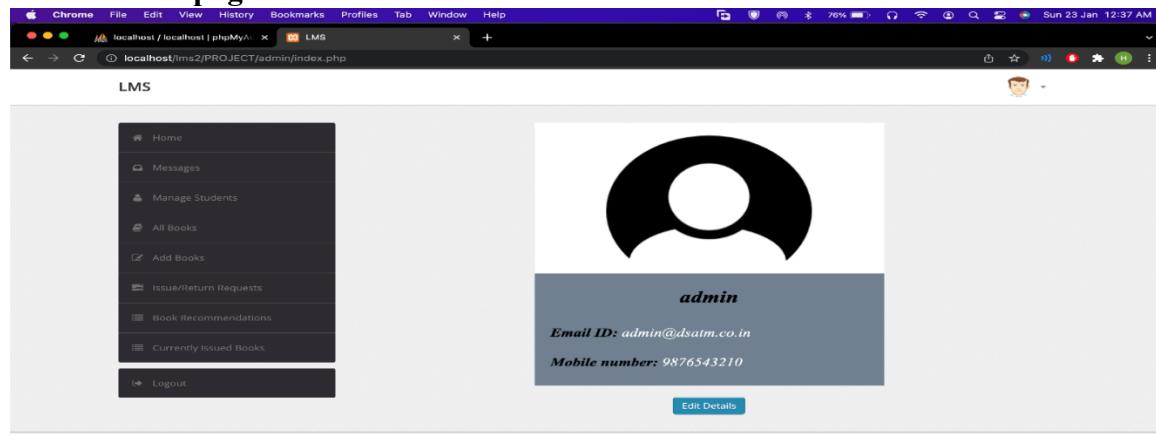


The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/student/current.php'. The page has a sidebar on the left with links like Home, Messages, All Books, Previously Borrowed Books, Recommend Books, Currently Issued Books, and Logout. The main area features a search bar and a table with columns: Book id, Book name, Issue Date, Due date, Renew, and Return. One row is visible in the table:

| Book id | Book name      | Issue Date | Due date   | Renew                  | Return                  |
|---------|----------------|------------|------------|------------------------|-------------------------|
| 15      | Machine Design | 2018-10-25 | 2018-12-24 | <button>Renew</button> | <button>Return</button> |

Figure 4.7

**Admin home page:** Where the details of the admin can be viewed.



The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/lms2/PROJECT/admin/index.php'. The page has a sidebar on the left with links like Home, Messages, Manage Students, All Books, Add Books, Issue/return Requests, Book Recommendations, Currently Issued Books, and Logout. The main area displays a large black silhouette icon of a person. Below it, the word 'admin' is displayed in bold. Underneath, the text 'Email ID: admin@dsaim.co.in' and 'Mobile number: 9876543210' is shown. At the bottom right, there is a blue 'Edit Details' button. A small note at the bottom left says '© 2022 Library Management System All rights reserved.'

Figure 4.8

## Library Management System

**Send message:** Where an admin can send messages to any student or to any user

The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/admin/message.php'. The page has a dark sidebar on the left with options like Home, Messages, Manage Students, All Books, Add Books, Issue/Return Requests, Book Recommendations, Currently Issued Books, and Logout. The main content area is titled 'Send a message' and contains fields for 'Receiver Roll No:' and 'Message:', both with placeholder text 'Enter Message'. A 'Add Message' button is at the bottom. At the bottom of the page, it says '© 2018 Library Management System All rights reserved.'

Figure 4.9

**View student details:** Where an admin can view the details of all the students.

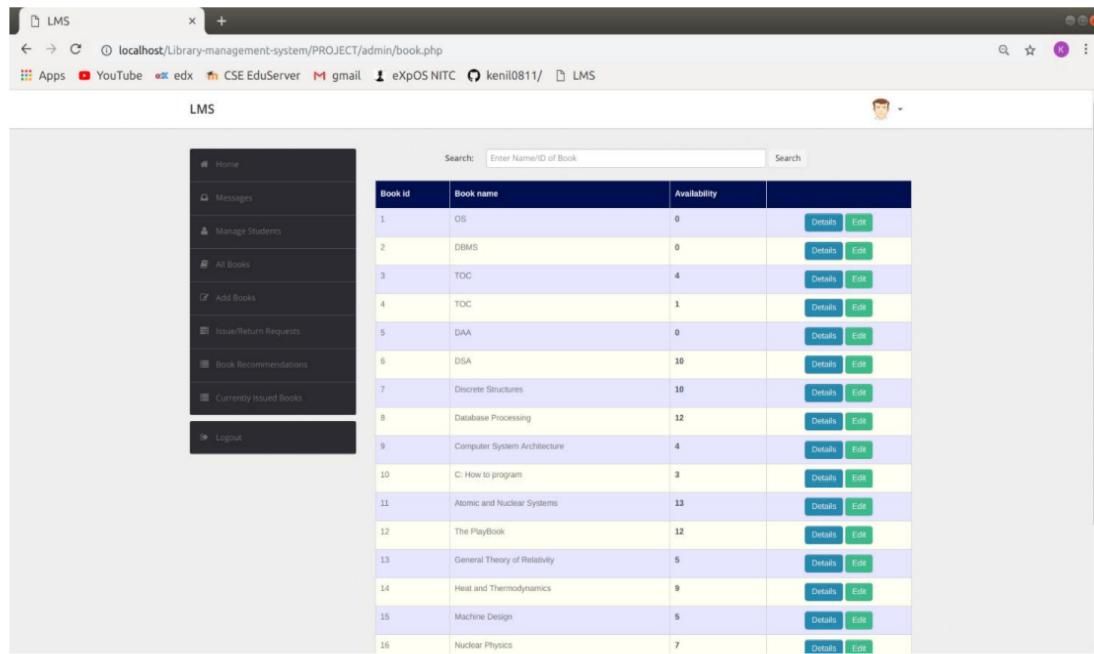
The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/admin/student.php'. The sidebar is identical to Figure 4.9. The main content area displays a table of student details with columns for Name, Roll No., and Email id. Each row has a 'Details' button. A search bar at the top allows searching by Name/Roll No. of Student. The table data is as follows:

| Name   | Roll No.  | Email id            | Details                  |
|--------|-----------|---------------------|--------------------------|
| John   | b160001cs | john@gmail.com      | <button>Details</button> |
| Adam   | b160002cs | adam@yahoo.com      | <button>Details</button> |
| Alice  | b160002ch | alice@hotmail.com   | <button>Details</button> |
| Abbot  | b160004me | abbot@gmail.com     | <button>Details</button> |
| bale   | b160005ce | bale@gmail.com      | <button>Details</button> |
| Bob    | b160006cs | bob@gmail.com       | <button>Details</button> |
| Goku   | b160007cs | goku@yahoo.com      | <button>Details</button> |
| Ben    | b160008cs | ben10@hotmail.com   | <button>Details</button> |
| Ash    | b160009cs | ash@yahoo.com       | <button>Details</button> |
| Harry  | b160010cs | harry@hotmail.com   | <button>Details</button> |
| Gwen   | b160011ch | gwen@yahoo.com      | <button>Details</button> |
| Kevin  | b160012me | kevin11@hotmail.com | <button>Details</button> |
| Max    | b160013ee | max@gmail.com       | <button>Details</button> |
| Bharat | B160111Cs | bharat@gmail.com    | <button>Details</button> |
| MANU   | B160150CS | manu@gmail.com      | <button>Details</button> |
| Eve    | b160257me | eve@gmail.com       | <button>Details</button> |

Figure 4.10

## Library Management System

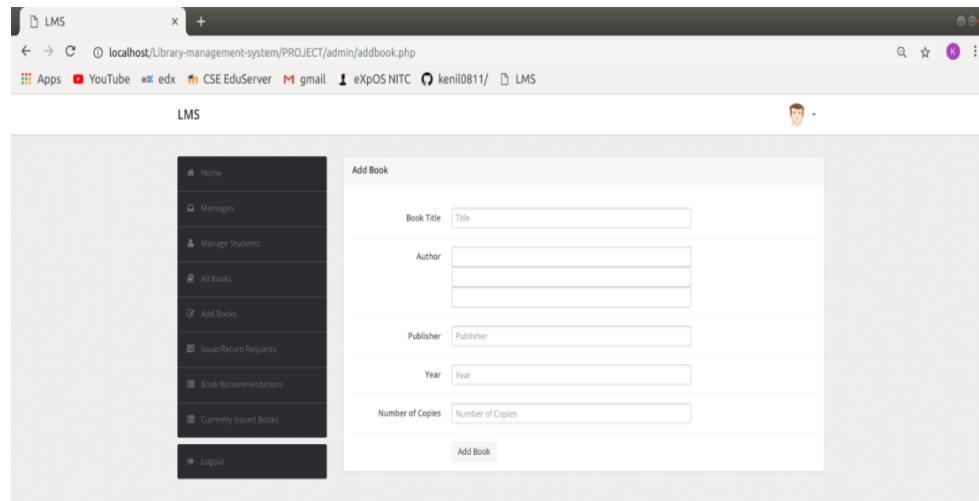
**View and update book details:** Where an admin can view and make any changes with respect to the information associated with the books.



| Book Id | Book name                    | Availability | Details                 | Edit                 |
|---------|------------------------------|--------------|-------------------------|----------------------|
| 1       | OS                           | 0            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 2       | DBMS                         | 0            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 3       | TOC                          | 4            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 4       | TOC                          | 1            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 5       | DAA                          | 0            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 6       | DSA                          | 10           | <a href="#">Details</a> | <a href="#">Edit</a> |
| 7       | Discrete Structures          | 10           | <a href="#">Details</a> | <a href="#">Edit</a> |
| 8       | Database Processing          | 12           | <a href="#">Details</a> | <a href="#">Edit</a> |
| 9       | Computer System Architecture | 4            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 10      | C: How to program            | 3            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 11      | Atomic and Nuclear Systems   | 13           | <a href="#">Details</a> | <a href="#">Edit</a> |
| 12      | The PlayBook                 | 12           | <a href="#">Details</a> | <a href="#">Edit</a> |
| 13      | General Theory of Relativity | 5            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 14      | Heat and Thermodynamics      | 9            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 15      | Machine Design               | 5            | <a href="#">Details</a> | <a href="#">Edit</a> |
| 16      | Nuclear Physics              | 7            | <a href="#">Details</a> | <a href="#">Edit</a> |

Figure 4.11

**Add books:** Where an admin can add any book



The screenshot shows a web-based library management system interface. On the left, there is a vertical sidebar with navigation links: Home, Messages, Manage Students, All Books, Add Books (which is currently selected), Issue/Return Requests, Book Recommendations, and Currently Issued Books. On the right, the main content area has a title "Add Book". Below the title are five input fields: "Book Title" with a placeholder "Title", "Author" with a placeholder "Author", "Publisher" with a placeholder "Publisher", "Year" with a placeholder "Year", and "Number of Copies" with a placeholder "Number of Copies". At the bottom of the form is a large blue "Add Book" button.

Figure 4.12

## Library Management System

**View requests:** Where an admin can view the requests put forth by the students.

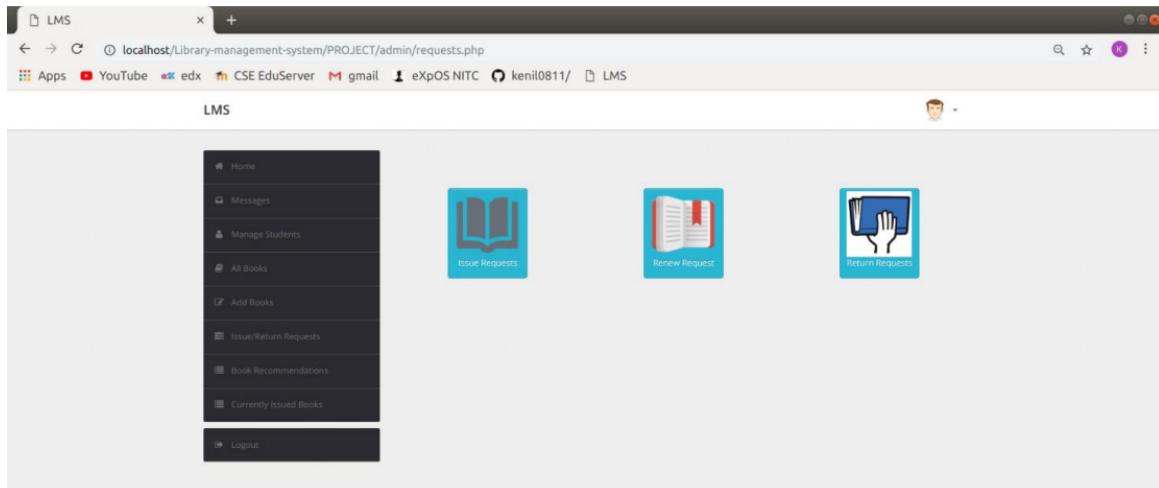


Figure 4.13

**View recommendations:** Where an admin can view the books recommended by the students.

The screenshot shows a web browser window titled 'LMS' with the URL 'localhost/Library-management-system/PROJECT/admin/recommendations.php'. The page has a dark header bar with a search icon, a star icon, a user profile icon, and a three-dot menu icon. Below the header is a navigation bar with links: 'Home', 'Messages', 'Manage Students', 'All Books', 'Add Books', 'Issue/Return Requests', 'Book Recommendations', 'Currently Issued Books', and 'Logout'. To the right of the navigation bar is a table titled 'Book Recommendations' with columns: 'Book Name', 'Description', and 'Recommended By'. The table contains the following data:

| Book Name                | Description   | Recommended By |
|--------------------------|---|----------------|
| Book1                    | Descp1  | B160158CS      |
| Book2                    | Descp2  | B160158CS      |
| Operating System         | An operating system (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.   | B160001CS      |
| Networks                 | A computer network, or data network, is a digital telecommunications network which allows nodes to share resources. In computer networks, computing devices exchange data with each other using connections (data links) between nodes.                 | B160999CS      |
| String Theory            | In physics, string theory is a theoretical framework in which the point-like particles of particle physics are replaced by one-dimensional objects called strings. It describes how these strings propagate through space and interact with each other. | B160777CS      |
| The Theory of Everything | The Theory of Everything  | B160777CS      |

At the bottom right of the table is a green button labeled 'Add a Book'.

Figure 4.14

**Currently issued books:** Where an admin can view the books that are currently issued to the students.

The screenshot shows a web browser window titled "LMS" with the URL "localhost/Library-management-system/PROJECT/admin/current.php". The left sidebar contains navigation links: Home, Messages, Manage Students, All Books, Add Books, Issue/Return Requests, Book Recommendations, and Currently Issued Books (which is highlighted). The main content area features a search bar with placeholder text "Enter Roll No of Student/Book Name/Book id." and a "Search" button. Below the search bar is a table with the following data:

| Roll No   | Book id | Book name                    | Issue Date | Due date   | Dues |
|-----------|---------|------------------------------|------------|------------|------|
| B160001CS | 9       | Computer System Architecture | 2018-10-26 | 2018-12-24 | 0    |
| B160001CS | 11      | Atomic and Nuclear Systems   | 2018-10-25 | 2018-12-24 | 0    |
| B160003CH | 9       | Computer System Architecture | 2018-10-25 | 2018-12-24 | 0    |
| B160011CH | 10      | C: How to program            | 2018-10-26 | 2018-12-24 | 0    |
| B160011CH | 17      | Operating System             | 2018-10-25 | 2018-12-24 | 0    |
| B160111CS | 1       | OS                           | 2018-10-15 | 2018-12-14 | 0    |
| B160158CS | 1       | OS                           | 2018-10-15 | 2020-04-12 | 0    |
| B160158CS | 2       | DBMS                         | 2018-10-16 | 2018-12-15 | 0    |
| B160158CS | 9       | Computer System Architecture | 2018-10-25 | 2018-12-24 | 0    |
| B160158CS | 18      | Theory of Machines           | 2018-10-25 | 2018-12-24 | 0    |
| B160811CS | 10      | C: How to program            | 2018-10-26 | 2018-12-24 | 0    |
| B160851CS | 11      | Atomic and Nuclear Systems   | 2018-10-25 | 2018-12-24 | 0    |
| B160941CS | 12      | General Theory of Relativity | 2018-10-29 | 2019-12-24 | 0    |
| B160952CS | 15      | Machine Design               | 2018-10-25 | 2018-12-24 | 0    |
| B160954CS | 6       | DSA                          | 2018-10-16 | 2019-04-14 | 0    |

*Figure 4.15*