DEPARTMENT
OF
INFORMATION SCIENCE & ENGG.

DEPARTMENT LIBRARY
&
IN-HOUSE DEVELOPED LIBRARY
SOFTWARE (LIBSOFT)

REPORT
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1. About Dept. Library:

The primary mission of the Dept. Library is to support the educational and research programs of the institute by providing physical and intellectual access to information, consistent with the present and the anticipated educational and research functions of the institute. In accordance with the objectives of the institute, the Dept. Library aims to develop a comprehensive collection of documents useful for the students, faculty and the research community of the institute.

The Dept. Library offers services such as issuing books to staff and students, updating accreditation number, book title of books to the Dept. Library, providing accreditation number to books by administrator. Administrator can get the information of any member who has borrowed a book, add and edit book categories and arrange books by categories, can record books returned by users.

The Dept. Library has been using the LIBSOFT an In-house developed Library Management software package with all the modules Like Material Entry, Transaction Details, Member Entry, Material Search, Member Details and Reports. The Dept. Library Catalogue database has more than 3500 records of books and 620 Technical Seminar Reports and 300 Project Reports. Using LIBSOFT library software administrator can search the Dept. Library Catalogue by Author, Title, Subject, and keywords. Also, the administrator can know the latest additions of books and the status of a document.
DEPARTMENT LIBRARY

2016-2017

2. DETAILS OF DEPT. LIBRARY BOOKS

- Number of Titles: 1208
- Number of Volumes: 3840
- Number of Journals: 19
- Digital Dept. Library (M.Tech projects): 21
- Technical Seminar Reports: 620
- Project Reports: 300

*As on 2016-17 academic year
3. DEPARTMENT LIBRARY SOFTWARE

SOFTWARE USED: LIB-SOFT

- FRONT END: VB.NET 2008
- BACK END: .NET FRAMEWORK, MICROSOFT ACCESS 2007
- MODULES IMPLEMENTED ARE:

MATERIAL ENTRY: Here administrator can update accreditation number, book title, author, publisher, subject category of books to the Dept. Library

MEMBER ENTRY: Here administrator can update Member Id, Category, Full Name, Department, Mobile no, Email-id, Semester of the member to Dept. Library.

TRANSACTIONS: The administrator can issue the books to staff or students. Similarly staff or students return the books to librarian.

MATERIAL SEARCH: Administrator can view the Book Title, Subject, Author Name, and Enrolled Date

MEMBER SEARCH: When administrator specifies the Subject Name, administrator can view the number of students along with details who has borrowed it.
4. TIMINGS OF THE DEPT. LIBRARY

<table>
<thead>
<tr>
<th>Week Days</th>
<th>Digital Dept. Library Timings</th>
<th>Circulation counter timings</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>TUESDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>WEDNESDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>WEDNESDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>THURSDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>FRIDAY</td>
<td>9.00 A.M - 4.30 P.M</td>
<td>9.00 A.M - 4.30 P.M</td>
</tr>
<tr>
<td>SATURDAY</td>
<td>9.00 A.M - 1.00 P.M</td>
<td>9.00 A.M - 1.00 P.M</td>
</tr>
</tbody>
</table>

5. Instructions to students and staff

- Silence is to be strictly observed.
- Eatables are prohibited in the Dept. Library.
- Users are requested to avoid talking or discussion that will disturb other readers. Reading halls are meant for individual study only.
- Care must be taken to see that the Dept. Library walls, furniture and reading materials are not spoiled/damaged/soiled in any way.
- Readers are requested to switch off their Mobile phones.
- Books should be handled with great care. Please avoid keeping the volumes open on the table or putting with their faces down, or inserting note books or pencils in between the pages and closing them. Pages must not be folded to serve as book marks.
- Mutilation and disfiguring of pages of Dept. Library materials by ink or pencil marks are prohibited.
- Defects found in the books and bound volumes taken out for reading or borrowing should be brought immediately to the notice of the staff on duty.
- Books loaned should be protected from RAIN, DUST, INSECTS, etc.
General Instructions:

- Loss of Borrower’s card to be reported immediately in writing.
- Please handle documents with great care as they are costly and valuable, particularly loose issue.
- On violation of Dept. Library Rules or misconduct of any reader, the Dept. Library authorities can withdraw the Dept. Library facilities to that particular individual.

Please Do:

- Show the documents which are being taken out of the Dept. Library, to the staff at the check point.
- Contact the staff on duty/section staff for any queries.
- Keep the Dept. Library premises tidy.

Please do not:

- Spending more than half an hour to locate the documents. If you experience any difficulty in locating the required material, Please contact the Dept. Library Staff/librarian.
- Move books/journals from its specific area to another area.
- Replace the material: the Dept. Library staff will do it for you. (Please remember the document misplaced is document lost)
- Giving borrowers cards to others.

GOAL:

- The purpose is to provide a friendly environment to maintain the details of books and Dept. Library members.
- The main purpose is to maintain easy circulation system using computers and to provide different reports.
The **LibSoft** is a package to be used to improve the efficiency of Librarians, Staff and students.

The system provides books catalog and information to members and helps them decide on the books to borrow from the Dept. Library.

The Librarian can keep the books catalog updated all the time so that the members (students and the professors) get the updated information all the time.

**OVERVIEW**

- The implementation of **LibSoft** starts with entering and updating master records like book details, Dept. Library information.
- Any further transaction like book issue, book return will automatically update the current books.
- The proposed **Libsoft** will take care of the current book detail at any point of time. The book issue, book return will update the current book details automatically so that user will get the update current book details.
## 6. SYSTEM REQUIREMENTS

### HARDWARE REQUIREMENTS:

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROCESSOR:</td>
<td>INTEL DUAL CORE OR ABOVE</td>
</tr>
<tr>
<td>PROCESSOR SPEED:</td>
<td>1.0GHZ OR ABOVE</td>
</tr>
<tr>
<td>RAM:</td>
<td>1GB RAM OR ABOVE</td>
</tr>
<tr>
<td>ROM:</td>
<td>20GB HARD DISK OR ABOVE</td>
</tr>
</tbody>
</table>

### SOFTWARE REQUIREMENTS:

<table>
<thead>
<tr>
<th>Component</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software used:</td>
<td>Libsoft</td>
</tr>
<tr>
<td>FRONT END:</td>
<td>VB.NET 2008 VERSION</td>
</tr>
<tr>
<td>BACK END:</td>
<td>.NET FRAMEWORK</td>
</tr>
<tr>
<td></td>
<td>MICROSOFT ACCESS 2007</td>
</tr>
<tr>
<td>BARCODE SCANNER:</td>
<td>INDIPOS SCANNER</td>
</tr>
</tbody>
</table>
7. SYSTEM DESIGN:

The Dept Library software designed and developed by The Dept. Faculty member Ms. Roopa mahadev, Asst. Professor, Dept of ISE and the design modules of the software is explained below

Log in:

![Successful Login](image1)

Figure 1: A Successful Login

- Administrator can login to lib-soft using user-id and password provided for the Lib-Soft.

![Department Dept. Library Logged In](image2)

Figure 2: Department Dept. Library Logged In
- After the administrator provides correct user-id and password we can login to department Dept. Library and view material entry, member entry transactions, material search, member details, reports and exit.
8. SOFTWARE MODULES DESCRIPTION

1. MATERIAL ENTRY:

✓ Here administrator can update accreditation number, book title, author, publisher, subject category of books to the Dept. Library

- Accreditation number: it consists of book number for the specified book
- Book title: It specifies the book title
- Author: The author for the particular book
- Publisher: This specifies book publication details
- ISBN number: The international standard book number is provided for each book
- Subject category: This specifies the subject category to which the book categorizes.

![Figure 3: Book’s Entry to the Dept. Library](image)

2. MEMBER ENTRY:

- Here admin can register the new book’s to the Dept. Library by specifying accreditation no, book title, transactions, material search, member details, report, exit
Here administrator can update Member Id, Category, Full Name, Department, Mobile no, Email-id, Semester of the member to Dept. Library.

- **Member Id:** it specifies the student’s university number.
- **Category:** The member specifies the whether it is staff or student.
- **Full Name:** The member’s full name
- **Department:** It specifies to which department the member belongs to like ISE, CSE, ECE, EEE, MECH, CIVIL
- **Mobile no:** it contains the member’s mobile number
- **Email-id:** The member’s email-id used for the registration
- **Semester:** This specifies the member’s semester is currently studying in like I, II, III, IV, V, VI, VII, VIII

![Image of LibSoft's Member Entry](image)

**Figure 4: Student’s Registration for the Department Dept. Library**

Each student can register to the Lib-Soft by specifying ID, category, Fullname, Department, Mobile Number, Email-Id, Semester And Finally
3. TRANSACTION DETAIL

- The administrator can issue the books to staff and students. Similarly staff or students return the books to librarian.

  - **Member Id:** it specifies the student’s university number.
  - **Member Name:** The member’s full name
  - **Accreditation number:** it consists of book number for the specified book
  - **Book Name:** It specifies the name of the book.
  - **Subject Name:** It specifies the subject of the book.

- By using the following details we can issue the books to staff or students.
- Similarly staff or students return the books to librarian.

![Figure 5: Issuing Book to Students](image-url)
Figure 6: Administrator can saved the Returned Books from the Students
Figure 7: By using member id or subject name or book number, administrator can view the member details of book taken.

Figure 8: If the member id is specified, the list of books borrowed or carried over by the member can be viewed.
4. MATERIAL SEARCH:

- The administrator can view the Book Title, Subject, Author Name, and Enrolled Date.
  - **Book Title**: It specifies the book name and book title.
  - **Subject**: It specifies the subject of the book.
  - **Author Name**: It specifies the author of the book.
  - **Enrolled Date**: The date at which the book was enrolled.

![Figure 9: Administrator can view the Book Title, Subject, Author Name, and Enrolled Date](image1)

![Figure 10: Administrator can view the list of books in a particular subject](image2)
Administrator can select the subject required, then accreditation_no, title, author, subject, and category, enrolled on details will be displayed.

5. MEMBER DETAILS:

When administrator specifies the Subject Name, administrator can view the number of students along with details who has borrowed it.

- **Member Id**: it specifies the student’s university number.
- **Book No**: It Specifies The Book Number.
- **Subject Name**: It Specifies The Subject Name.

![Figure 11: Administrator can view the member details of the book](image)

When the administrator specifies the subject name, we can view the number of students along with details who has borrowed it.
Figure 12: Administrator can view the member details of the book by book number also.

✓ When the administrator specifies the Book Number then administrator can View the Member-Id and Name, Book-Name and Date of Issue for the Book Number

Figure 13: Administrator can get information about all the Books by specifying the book title
Figure 14: By Specifying the Member Id, Administrator can view the books list in that member id.

Figure 15: If the Book Number Is Specified then administrator can view the member of the book
6. REPORTS

Figure 16: Administrator can take the report of the books borrowed from Dept. Library member wise.

Figure 17: Administrator can view the details of the member transaction details like books borrowed, books returned to department Dept. Library.