

Software Requirement Specification (SRS)

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Topic : Website for Library

Category :

This **digital Library** will be launched as a Website or will be the part of the existing Official site of the [\(PIET\) Institute](#).

Introduction:

Purpose: *Purpose of this website is to digitalize the current book catalog of Piet Library . So that person from outside can go through all the available books in the Library without physically being there .*

Scope: It will provide remote access to the Library. People can also see complete details of books that are available in the library though they cannot buy or issue any book.

Existing System: Currently the catalog is being maintained in software.The catalog is not currently shared with the public.Only administrator can go through all the books list.

--Disadvantages of existing System

- No-one can know what book's category is available in the library.
- No-one knows how much potential advantage PIET library can provide to book readers and researchers.
- Every time the librarian has to be bothered to get the information of the specific book.

Proposed System: Proposed System will be an online version of the library where all the available book's information will be listed for public viewers. University students as

well as outsiders can view all the available books in the library along with their available stocks. Website will be updated from time to time to avoid any misleading information to the visitors of the website.

-Website Modules:

1. **Available Book lists along with:**
 - **Book Title**
 - **Author Name**
 - **Available Quantity**
 - **Book Indexes**
 - **Book Summary**
 - **Book Accession**
2. **Department-wise Book Searching**
3. **Interest based (Available) Books Suggestions**
4. **Subject-wise Books**

Advantages of (Proposed System): Advantages of Proposed System is listed below

- It will not be difficult for students to find the relevant book.
- Students don't have to visit the library to check whether relevant books are there in the library or not.
- Website will also suggest books to readers based on their interest , subject and department.
- They can easily look-through the books by reading the summary of that book available on the website.

Functional Requirements:

Following are functional Requirements of the Website.

1. The Home Page of the Website will consist of 10 - 20 books displayed along with all their information.
2. There will be a search bar so that visitors can search the book by the Name
3. There will be an option of **filtered search** . On clicking that option a new dialogue box will appear that will ask users to choose different options (AuthorName,Genre,Department) that will restrict their search to their interests.

Non-Functional Requirements:

Following are Non-functional Requirements of the Website.

1. Websites should take minimum time to load.
2. Complete Information of a particular book will be single paged.
3. Regular Updates of the website will be followed.
4. Front Cover of the book will be displayed for each book.
5. No Details like(Email,Personal Information,e.t.c) will be asked from the visitors
6. Searching should be easy and customizable.

Targeted Audience:

Our Main Targeted Audience from this website will be :

1. PIET University Students.
2. PIET Faculty Members
3. Researchers
4. Students looking for a (Research-Based) institute.
5. Book Readers

Website Building Tools:

Tools that will be used to build this website:

Programming Languages:

- HTML,CSS,JAVA,SQL

Softwares:

- PHPStorm 2020.1 x64
- SQL Developer (For maintaining,manipulation of database)

System Specification(Minimum):

- Core i 5 , 8Gb Ram ,2.53 GHz
- Windows 10

