Savitribai Phule Pune Univesity

Sinhgad Academy of Engineering Society's

Sinhagad Academy of Engineering, Kondhwa, Pune

Certificate

This is to certify that 1) Sagar Jadhav, 2) Sushant Akhade, 3) Omkar Jadhav, 4) Sarthak Somani,5) Ayaan Sayyad of F.E. have successfully completed the PBL report work entitled on "e-Library"under my supervision in the partial fulfillment of bachelor of engineering by Savitribai Phule Pune University.

Date:

Place:

Mrs. P.N. Chaudhary   **Dr.Daljeet Kaur**

Guide   **Head of Department**

                                                                               Dr. K.P. Patil

                                                                               Principle

                                                                               Sinhgad Academy of Engineering,Pune

Online e-Library

FIRST YEAR ENGINEERING

As prescribed by **Savitribai Phule Pune University**

By

1) **Sagar Jadhav** - **72296864H**
2) **Sushant Akhade** - **72296758G**
3) **Omkar Jadhav** - **72296862M**
4) **Sarthak Somani** - **72297072C**
5) **Ayaan Sayyad** - **72297033B**

Under the supervision of **Mrs.Pradnya Chaudhary**

First Year Engineering Department

SINHGAD COLLEGE OF ENGINEERING 44/1

Vadgaon (BK), Off Sinhgad Road, Pune-411041

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ABSTRACT

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 maintenances. It reduces the workload of management as most of the manual work done is reduced.

In these project we use programming language like HTML,CSS and JAVA SCRIPT. These programs are very useful to create online e-Library.

INRODUCTION

Website Development is like house building, before house building process, we ask to an architect about plan, building permit, oversee a survey of geological and license from city. All things must have to see in the website development requirement, designing, documentation, appropriate server and programming language etc. Most necessary things for a website are selecting a programming language. Mostly web designs uses HTML and CSS. For web designing it is not necessary for high level knowledge of HTML. Features like as webpage formatting, designing, page layout techniques, graphics, multimedia, images and functions of multipage website can be used. After programming language to see the layout of webpage should a test server. The reason behind is developer is using programming language, if will be the expert of language but still running often these mistakes cannot be found, there is a need to execute server side codding to see the preview by a test server. This paper discussing about the test server using in a website development named Github and PHP language . Website Development Process: Various Steps consider in Website Development Process:
● Analysis
● Specification

- Design & Development
- Content Writing
- Codding
- Testing& Security
- Promotion
- Maintenance & Update

LITERATURE SURVEY

According to the survey from various study material websites, following is the information concluded-

SANDFOUNDARY-

This website was created by Manish Kumar Bhojasia, a technology veteran with 20+years @ Cisco & Wipro in 2011 with his co-workers.It is the free education & learning platform for the global community of students & working professionals where in they can practice multiple choice questions & answers(MCQs),programs, algorithms ,tutorials, and many useful articles. This website consists SAN technology videos, Data structure videos, Operating system videos, & of course video tutorials on various subjects of engineering, mathematics & science. Sandfoundary have created 1 million+ MCQs of various subjects.

EXAMVEDA-

Examveda.com is a portal for students that provides all exam related information and also provide all types of aptitude such as competitive English mcq questions, Data interpretation , C and Java programming, Reasoning aptitude etc. with easy explanations. It was developed by Kumar Chandan, & Rahul Jaiswal in july 2012.

UDEMY-

Udemy is an American massive open online course provider aimed at professional adults and students. It was founded in May 2010 by Eren Bali, Gagan Biyani & Oktay Caglar. Students take courses largely as means of improving job-related skills. Udemy has made a special effort to attract corporate trainers seeking to create coursework for employees of their company. There are more than 155,000 courses on the website.

GUTENBERG-

In gutenberg website works are available in plain text, using simple ASCII characters with limited typography and no images, though versions in HTML (hypertext markup language) or Adobe Systems Incorporated's PDF (portable document format) exist for some works.

The releases are available in plain text as well as other format, such as HTML, PDF, EPUB, MOBI,and Plucker wherever possible

Most of the items in its collection are the full texts of books or individual stories in the public domain. All files can be accessed for free under an open format layout, available on almost any computer.

FLOWCHART
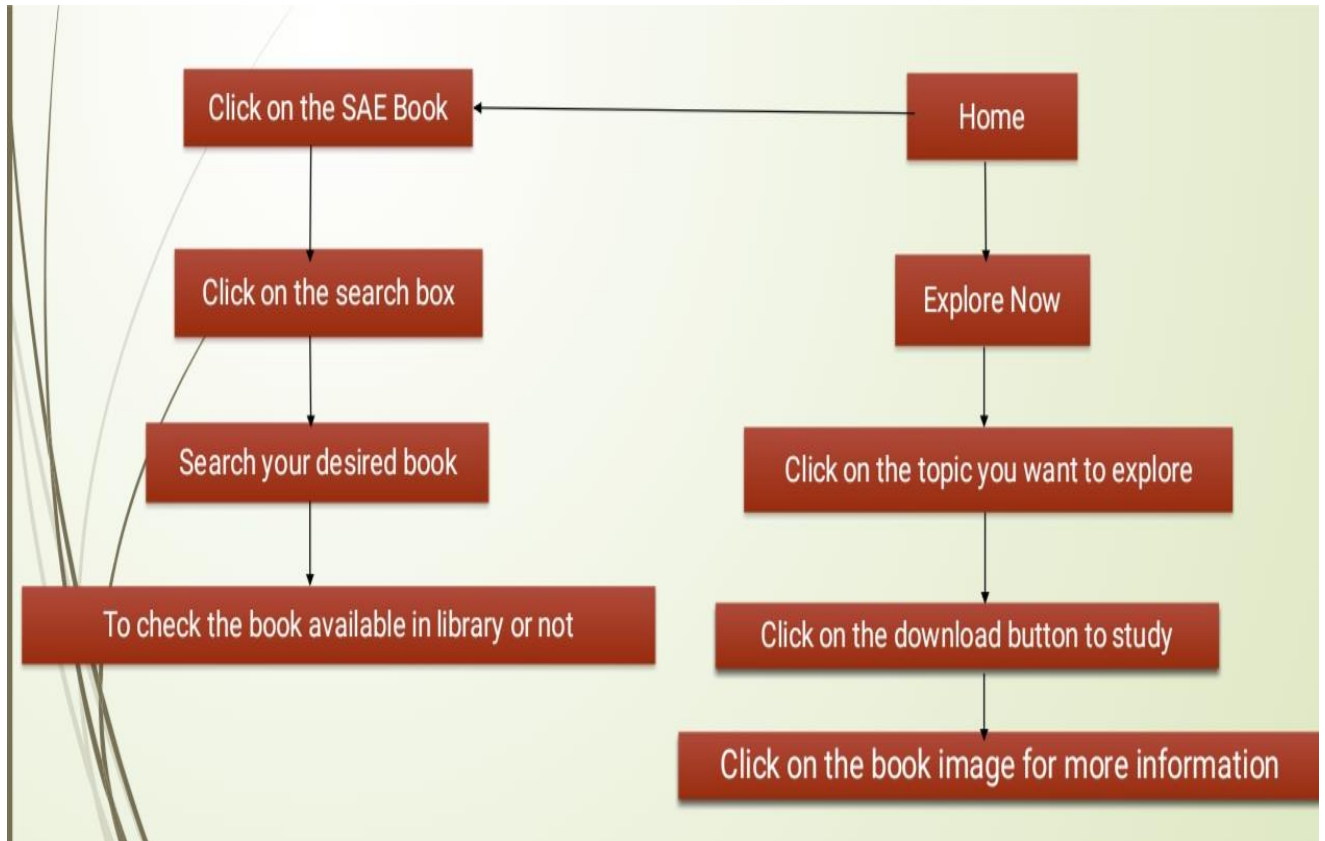
WORK CARRIED OUT

Analysis:

Firstly, better understand the website requirement creation, including website Design and Website looks and feels, the Web pages uses, website content and for suggestion and discussions, a proper space available on a web site for easily approachable.

Specification:

Predicated on Requisite, prepare a draft designation of Web pages to be developed include the sitemap and a flow of various process

Design and Development:

Invention and Development is a significant role plays in Web Development. Graphical looks and feel according to most impressive and efficient way, Graphical elements required for design are appearing more impressive, for this use color and image. Design of web pages, computer graphic includes navigation mock-up, template content and placeholders.

Content Writing:

Writing of contents is a significant part of development of web pages and plays an important and necessary step in optimization Engine, a well-defined or easy content is completely necessary to fall in internet site users. Content written by a more professional requires more pure, easy and accurate content.

Coding:

Coding start of a Web Pages in CSS, HTML, Java scripts and other technologies of https, for drawing of the graphic and text contents, user must look code of web page consistently like as webpage design. Coding of a web page is loading quickly search engine and index give us rank very quickly. Every web page of a website takes a unique title, unique Meta tags as keywords and descriptions. Developer can create links of internal with keywords of website to explore the search engine ranking and navigation. In this way improve the website quality code by using techniques and tools according to website standards.

Testing and Security:

Testing as well play an important role in website development, testing is done for browser compatibility, broken links and can check the speed of loading pages, and loading speed of images. Developer can also check validation of HTML code, validation of CSS, checking of spelling and build alterations to rectification of mistakes and can perform test of functional on processes of websites like payment, postal services, registration, etc., these checks as per requirement. When testing done website hosted on a web server and uploaded

Promotion:

The advancements are likewise a necessary step for website to awareness of the peoples. To become more impressive, website can be promoted by following methods-

1. E-mails 2. Social media 3. Web 4. Article 5. Blog

Maintainance and Update:

For better operation of the world's cyber site, monitor the website time to time. User make update periodically needed as per the requisites. Even maintenance of website is required, when any visitors keep updated. Whatever changes in the information comes from contact, any additional articles added and other links added in the website added. User offer maintenance support on the website according to time.

Research Methodology:

Methodology and way used for a website development is different for different user, most ideas say the right way of website development is developed by the developers as per the requirement in own approach. Main requirement of most of websites is requirement cannot have changed according to time and cost and another thing is that needs a web server space and cost to store the website on the web-server, files cannot store at on the server of local. When an incipient website project, and understand the requisites overlooked some critical feature we authentically need, or didn't designate enough something about the source information.

Today all work comes screeching to a halt as the developer asks to renegotiate the contract, integrate a transmutation order. In this work, developer are using to use a Github for local host, Github Provide us a perfect outlook of website of a local server from which can see performed approach on one local server. Those icon developer want on the front as several pages title, for these titles we have an index file and in index file we give the link of file, where someone can add content of that files. Github read all the files and convert it into CSS and HTML format, it can convert HTML, CSS and Java - Scripts and provide to client result in same format. The work is about to generate rules that will be effective and increase the accuracy of work. In these files, students can edit as per requirement according to time. Requirement will easily change and we can view the look of site on our local server, as purpose of security also high, Chances of risk will be minimum.

Objectives:

The objectives associated with the work are given here:

1) The objective of work is update in requirement will be easy.

2) The objective of work as save the space consumption on local host and analyses outlook performance.

3) The objective of work is to integrate the various method for optimization of work.

4) The objective of work is as improve the accuracy and hardiness of work.

Scope:

The scope and significance work is given here under. In existing work, no server space is used and no cost consumption for DNS will be used.

2) Applying the JAVA Script Coding minimize the DOM access,Keep codes light and small.

General Approach:

Developer uses the Github tool for local hosting of the website. Through Github outlook can see easily by the developer and user and change the code as per requirement. Github is a free open source cross platform developed by Apache and consisting HTTP server and Adding interactive behavior to web pages. JavaScript allows users to interact with web pages. Creating web and mobile apps. Developers can use various JavaScript frameworks for developing and building web and mobile apps.Building web servers and developing server applications.Game development.
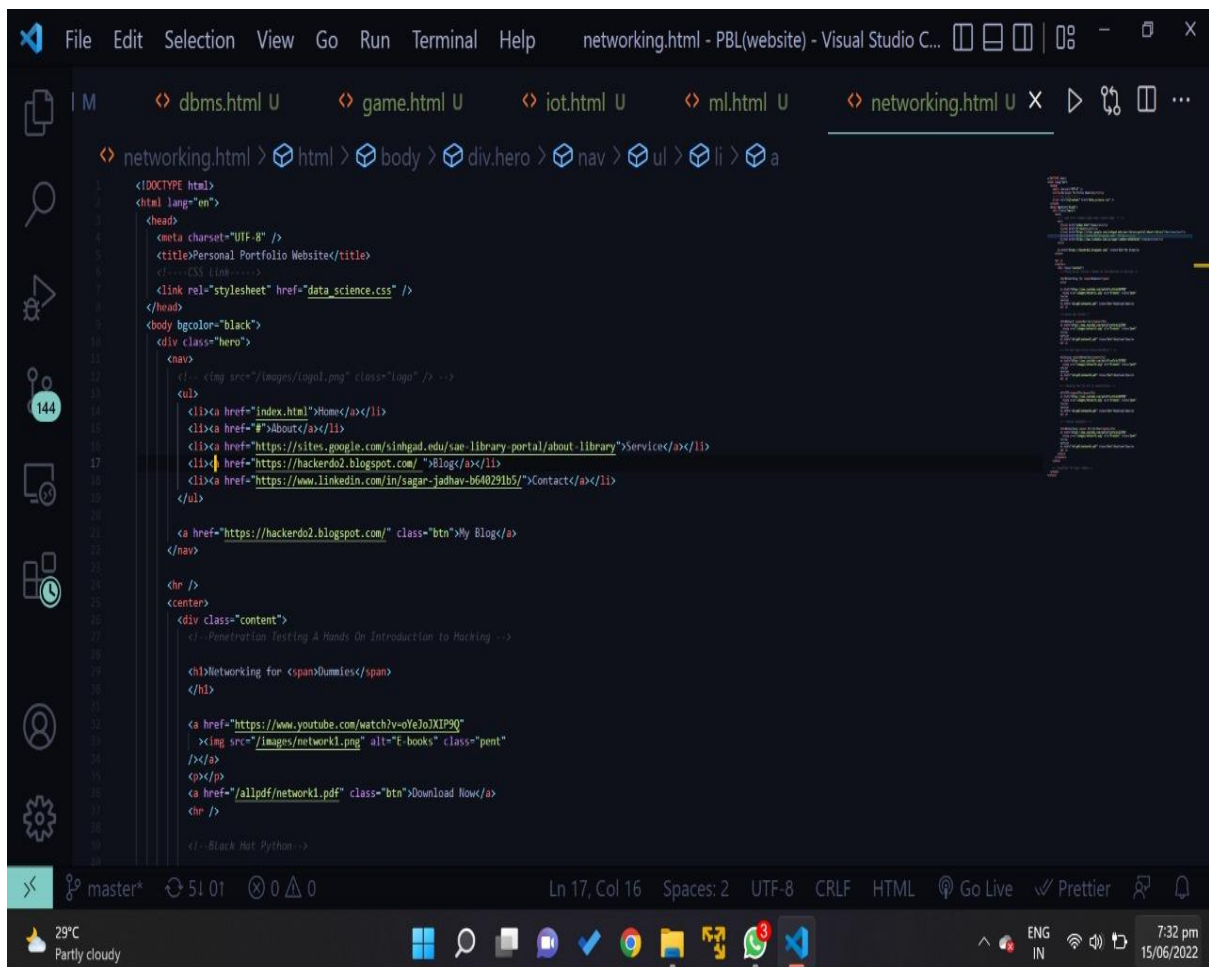
Result:

Because of this work, we have an interactive, flexible and usable website. After using these amazing and quick responsible things addition, now we can able to pick out all those things in this work. Using a Local server Github and for

development html and java script programming language is used.

Index Code:

In these index code we use html,java script,CSS programming languages

Outlook of index file:

These is the home page of the e-library project:
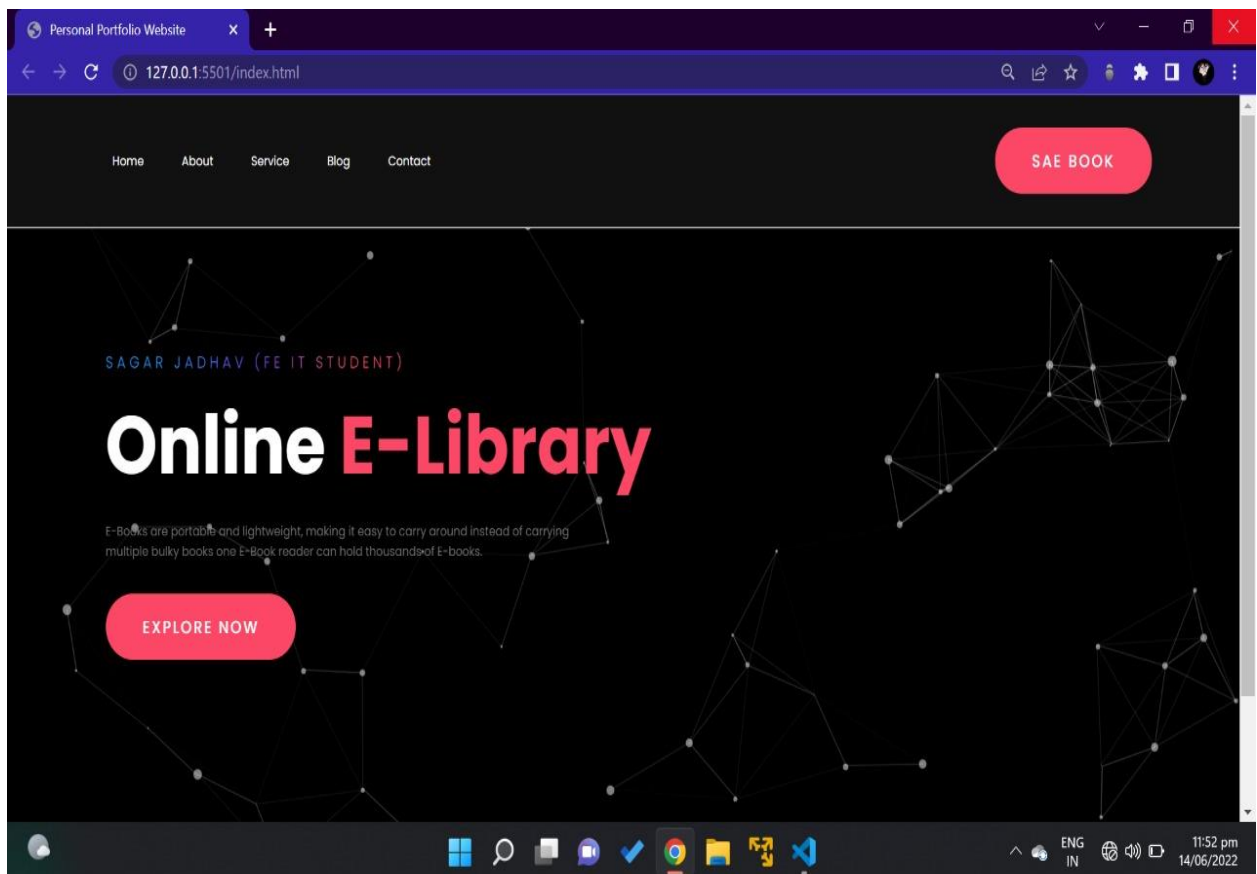
CONCLUSION

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.

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