

Project Synopsis

ON

“StudyMaterial”

(Using HTML CSS AND JavaScript)



Department of Computer Science & Application
Institute of Engineering & Technology

Under the Supervision of-

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DECLARATION

We hereby declare that the work presented in this dissertation entitled “**Study Material**” has been done by me under the guidance of our mentor **Mr. Akash Kumar Chaudhary**, and this dissertation embodies our work.

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ACKNOWLEDGMENT

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project (**Study Material**) undertaken during B. Tech III Year. This project is going to be an acknowledgment of the inspiration, drive, and technical assistance that will be contributed to it by many individuals.

We owe a special debt of gratitude to **Mr. Akash Kumar Chaudhary (Technical Trainer, Department of CEA)**, for providing us with an encouraging platform to develop this project, which thus helped in shaping my abilities towards a constructive goal, through his constant support and guidance to our work.

We also do not like to miss the opportunity to acknowledge the contribution of all department faculty members for their kind guidance and cooperation.

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INTRODUCTION

In this, we will build an interesting application that will relate with the study materials provided to the students . To build this application we will use JavaScript, Html, CSS. This is one of the exciting and thrilling applications. While building this application we used various libraries. First of all, Student have to register into the application through Register Portal and then he/she can able to access all the features.

In our Project there are all the contents of subjects which a BTech Student must study. All the pdf, All books reference ,Important websites Video Lectures are there. It also content Admin portal where Admin can upload the data related to any subjects. There is a schedule section for the students also .

We are providing Book reference and on which website it is available student must just click on the link to buy the books. Mainly, we build this application using HTML and CSS for the frontend and JavaScript as the programming languages.

The algorithm is designed to provide better knowledge to students and increase their efficiency.

JavaScript:



JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document.

With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

1. It is a light-weighted and interpreted language.
2. It is a case-sensitive language.
3. JavaScript is supportable in several operating systems including Windows, macOS, etc.
4. It provides good control to the users over the web browsers.

HTML AND CSS:

HTML is an acronym which stands for **Hyper Text Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page. HTML is a markup language which is used for creating attractive web pages with the help of styling, and which looks in a nice format on a web browser. An HTML document is made of many HTML tags and each HTML tag contains different content.

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces.

Vs Code Editor



Visual Studio Code is a free coding editor that helps you start coding quickly. Use it to code in any programming language, without switching editors. Visual Studio Code has support for many languages, including Python, Java, C++, JavaScript, and more. Visual Studio Code gives you suggestions to complete lines of code and quick fixes for common mistakes. You can also use the debugger in VS Code to step through each line of code and understand what is happening.

MOTIVATION

The idea behind choosing this project was to help the students in their study. They don't have to search for the syllabus and the content, all the contents are provided to them. Scheduler help them to schedule their study routine. then even can print the important material from this application. All the important books related to the subject are also there buying website is also providing to them. All the project is related to student favour so that they can easily focus on their study rather than wasting time in searching for the content.

We are trying our best to provide good facilities for the students.

OBJECTIVE OF THE PROJECT

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

- Online book reading.
- Available all the subject contents
- Facility to download required notes.
- Video tutorial for students.
- An Admin login page where admin can add books, videos or page sources and student portal where student must register themselves.
- Open link for Learning Websites

THE PROCESS USED FOR CARTOONIFY THE IMAGE

Step 1: Welcome to the Study Material Application

Step 2: Free Trail Page for the Student

Step 3: Student Portal for the Registration

Step 4: Choose your year of studying i.e., 1st yr, 2nd yr so on

Step 5: Select the Subject and the contents.

Choose the video lectures, notes ,pdf, website related to the subject

Choose the reference books and get the link if student have to buy

Print the notes and admin can upload the new Contents

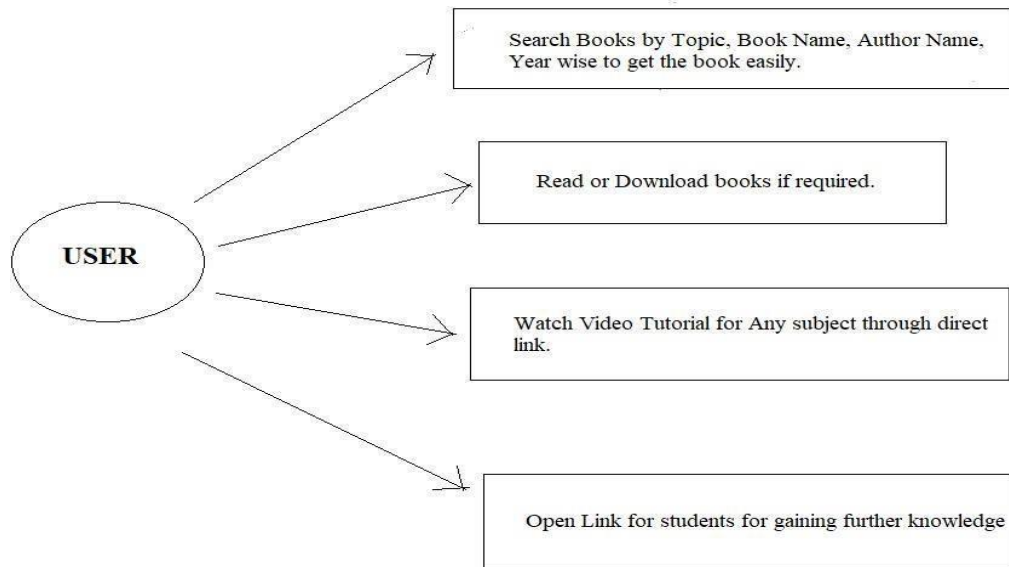
Step 6: Preparing your own Schedule from the Scheduler

Step 7: Feedback form filled in by the student.

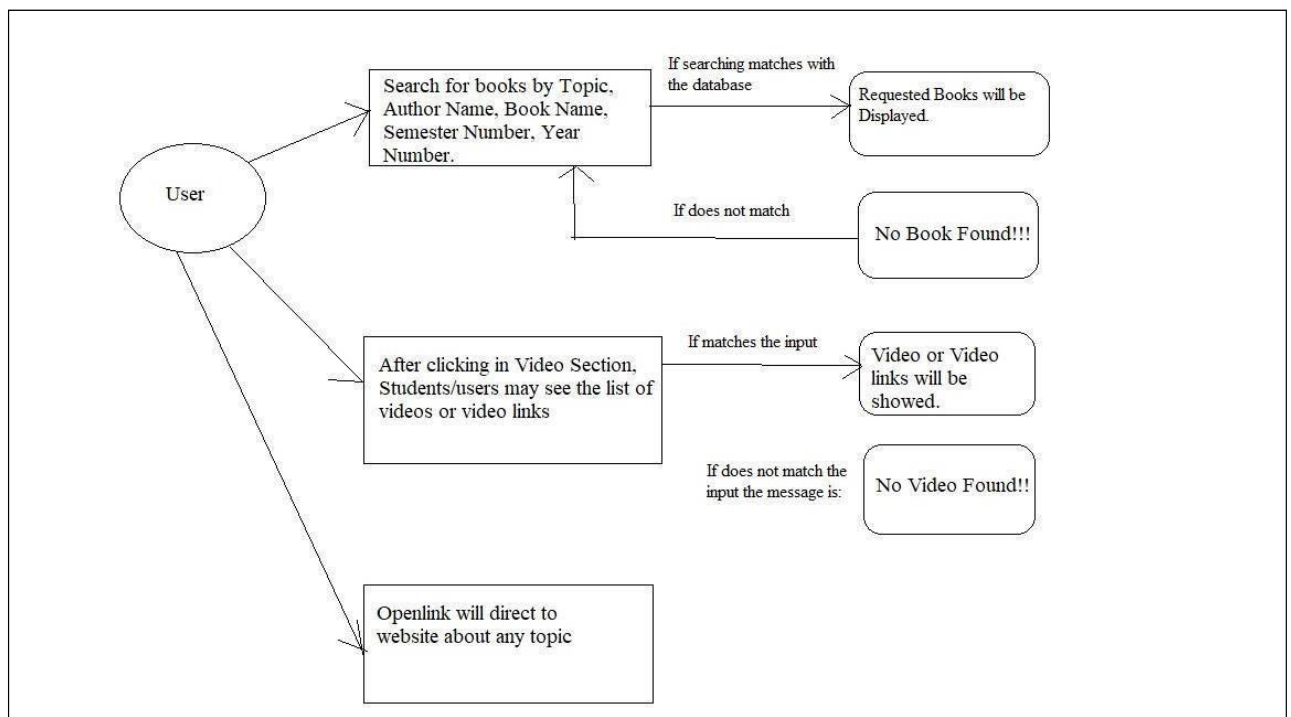
Step 8: Social media connections of our application (e.g. Instagram ,twitter)



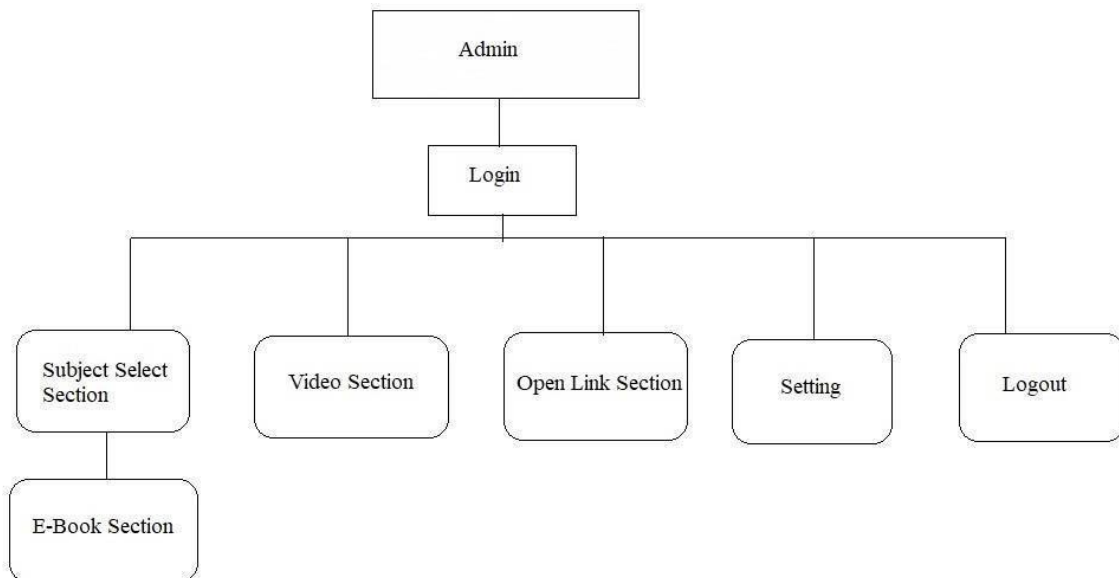
DATA FLOW DIAGRAMS



After entering to the home page of the website , student can choose the **USER LOGIN** option where they are asked to enter username & password , and if he/she is a valid user then a student login page will be displayed.



USER CASE DIAGRAM FOR ADMIN



Technology Used:

A. HTML And CSS

B. JavaScript

A) Software Requirements (Minimum):

Operating system- Windows 7,10,11 (any)

Language used: Html And CSS, Java Script

Editor used: Vs Code Editor

Database : MongoDB, Firebase

Development tools and Programming language- HTML is used to write the whole code and develop webpages with CSS, java script for styling work



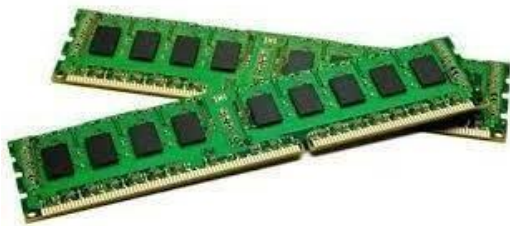
B) Hardware Requirements (Minimum):

1) Processor: i3 processor-based computer or further

2) Storage: 4GB Ram

5 GB Hard Disk Space

3) Device: Laptop or desktop (any)



FUTURE SCOPE

There is a future scope of this facility that many more features such as online lectures video tutorials can be added as well as online pdf ,Previous Year Question papers are uploaded submission facility , a feature of feedback and online group discuss among students where they can discuss various issues of engineering subjects 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:

- <https://realpython.com/tutorials/advanced/>
- https://www.w3schools.com/w3css/w3css_color_libraries.asp
- https://www.quackit.com/html/codes/html_code_library.cfm

BOOKS:

Learning Web Design: A beginner's Guide To HTML, CSS, JavaScript, and Web Graphics

Responsive Web Design with HTML5 and CSS3

ONLINE GITHUB REPOSITORY:

<https://github.com/AyushTiwari99/Study-Material-Project>

FACULTY GUIDELINES:

Mr. Akash Kumar Chaudhary,

(Technical Trainer at GLA University)

The End