

**FIT PROJECT**

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**Project Report: Educational Resource Website**

**Made From Scratch, without Pre-built templates**

## ****1. Introduction****

This report provides an overview of an educational resource website “STUDY” hosted on Neocities. The website is designed to provide free and accessible learning materials for students, self-learners, and programming enthusiasts. It offers a collection of books, video tutorials, and structured study materials in fields such as programming, web development, data structures, cybersecurity, and machine learning.

The purpose of the project is to centralize freely available educational content into an organized, user-friendly platform. This report highlights the website’s features, technologies used, and a demonstration of its functionality.

## ****2. Website Features****

The website consists of three primary sections, each serving a distinct purpose:

### ****2.1 Study Section****

* Is a home page of the website provides a navigation panel.
* Has a Hero section, a services section, a contact section, and a footer .
* Guides users on navigation the websites to avail services and provide feedback.

### ****2.2 Lab Section****

* Offers a collection of curated YouTube video tutorials on multiple programming languages.
* Includes tutorials for Python, Java, C/C++, JavaScript, and cybersecurity and more.
* Resources are available in both English and Urdu to accommodate a wider audience.

### ****2.3 Books Section****

* Provides free PDF books on programming and computer science topics.
* Includes well-known books such as Automate the Boring Stuff with Python and The C Programming Language.
* Books are categorized for easy navigation.

### ****2.4 Navigation and UI Design****

* Plans for improvement include adding a fixed navigation bar and a search function.
* The design prioritizes readability and accessibility.
* A simple text-based navigation system allows users to access different sections with a smooth flow.

## ****3. Technologies Used****

The website is built using the following technologies:

* **HTML**: Structuring the content and layout of the website.
* **CSS**: Styling the pages and ensuring responsive design using vw, vh, and rem for scalability.
* **JavaScript**: Integrated a atabook.org pre-built comment section for users.
* **Neocities**: A free web hosting platform used to deploy and manage the website.
* **Responsive Design Techniques**: Ensuring the website works on both desktop and mobile devices.

## ****4. Demonstration of the Project****

To demonstrate the functionality of the website:

1. **Accessing the Website**
   * Users can visit the website by navigating to its Neocities link.
   * The homepage presents an introduction and guides users to different sections.
   * You can access the website <https://2bat2.neocities.org/STUDY/study>
2. **Navigating Through Sections**
   * Users can click on image-based links to access the, **Videos**, and **Books** sections.
   * Future updates will include a fixed navigation bar for better usability.
3. **Exploring Learning Resources**
   * The **Lab Section** links to curated YouTube video tutorials.
   * The **Books Section** allows users to download free PDFs for offline learning.
4. **Future Enhancements**
   * Implementing a **search bar** for easier content discovery.
   * Adding **interactive elements** such as quizzes and coding exercises.
   * Improving **mobile responsiveness** and optimizing the site for better performance.

## ****5. Conclusion****

This educational website is a valuable platform for learners interested in programming and computer science. By compiling freely available resources, it provides structured learning paths for students and self-learners. Future enhancements, including improved navigation, interactive features, and better mobile support, will make the website even more user-friendly and accessible.