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VIT Clubs & Scholarships

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Abstract: In universities and colleges, we can see that there are many clubs that help students to deepen their knowledge in a specific field, scholarships are also given to students in need, but as the situation evolves, it is difficult to keep up with all this information about different fields. clubs and scholarships that were given to us. This website will help students find clubs of their choice and help them keep up with events happening around our college, ultimately increasing the reach of clubs around students. This website will also provide basic information like eligibility, benefits, and important scholarship data to help eligible students to apply for these scholarships and get the deserved benefits and update them. This user-friendly website will keep students in touch with our college and provide them with information to help them select the clubs and scholarships of their choice.

Keywords: Clubs, Information, Scholarships, Students, Website

I. INTRODUCTION

In pursuit of academic excellence, our research covers a diverse range of dynamic clubs and empowering scholarships in the form of an informative website that is user-friendly and will keep you updated. This website is user friendly due to the use of frontend, backend, and database with the help of languages like html, CSS, and MySQL. It contains all the important information about the clubs and the work they do, together with information about the scholarships that students can apply for to check their eligibility.

A comprehensive understanding of the current academic environment requires a brief review of the existing literature. The exploration of clubs and scholarships in the educational sphere has attracted attention in previous research highlighting the importance of these entities in shaping the academic experience. Existing studies underscore the positive impact of club participation on students' academic and personal development and highlight the role of scholarships in promoting inclusivity and access to educational opportunities. While the literature paints a rich tapestry of the symbiotic relationship between clubs and scholarships, it also reveals the need for a more centralized and collaborative platform that effectively utilizes the potential of this interconnected system.

In identifying a critical gap in the existing research landscape, our work recognizes the absence of a dedicated digital space that seamlessly integrates the efforts of clubs and scholarship. This research project aims to address this void by unveiling a new and unique website that is carefully designed to serve as a focal point for collaboration, information exchange and empowerment within the academic community. Through this platform, we aim to bridge the gap between club activities and scholarship opportunities, creating a synergistic environment that drives collective academic excellence. The project highlights the transformative potential of a unified online space that is poised to redefine the way students interact with clubs, scholarships, and the wider academic environment.

II. LITERATURE REVIEW

Creating a public service platform in the field of culture and learning the 4 aspects of front-end development, i.e. modularization, componentization, standardization, and automation. The most common example of standardization is the choice of two different models within one subsystem, while modularization works by combining small modules into a larger one or by dividing larger modules into smaller ones. Standardization involves creating and following

uniform guidelines or specifications to ensure consistency and compatibility. automation means the usage of era to perform responsibilities without human intervention. Both standardization and automation aim to improve efficiency, reduce errors, and increase overall productivity in various processes and industries We help understand how to make your website more accessible.[1]

And understanding how front-end backend and database work together. Front-end development includes user interface design using HTML, CSS, and JavaScript. Back-end development focuses on server-side functionality, data processing, and business logic. Databases store and manage application data. The front-end, back-end and database work together to deliver a seamless and functional website. They helped us understand the concepts of web development.[2]

Developing a web portal for online food and breweries and exploring the back-end part of web development. Created web portal for online food and breweries includes back-end development to manage server-side functions. This includes handling user accounts, processing orders, managing inventory, and linking to databases for efficient data storage and retrieval. The back-end ensures the smooth functioning of the platform, supports the user interface, and improves the overall user experience. He learned a lot about RDBMS, MySQL, PHP, HTML, JavaScript and XAMPP servers and their functionality.[3]

Using PHP as a backend language. Editor, tools and development and efficiency of using PHP in web development. Its scalability allows the development of projects from small websites to large applications. In short, PHP is preferred for backend development due to its ease of use, strong database integration, and adaptability to different project sizes.[4]

The paper concludes by emphasizing the need for a balanced approach that combines traditional and specific methods, depending on the nature and complexity of the project. It acknowledges the ongoing debate about the appropriateness of different development methods and highlights the importance of the empirical Information Systems (IS) research literature on web systems development. However, most of these discussions have been theoretical and lack empirical evidence.[5]

Emphasis is placed on introducing a new approach called Back end-less architecture (DADO), which eliminates the need for an intermediary server between the client and data sources to improve development speed, reduce costs, increase productivity, and simplify development. DADO seeks to streamline the interaction between clients and data sources, potentially offering a more efficient and cost-effective solution for web application development. [6]

The research paper examines a hybrid database system that combines MySQL and MongoDB for web application development. Benchmark experiments show that the hybrid model outperforms MySQL in read performance, while MongoDB excels in write speed. The study suggests storing sensitive data in MySQL and high-traffic data in MongoDB, considering trade-offs in disk and RAM usage. It helped to understand the proper use of MySQL when storing data and how it compares to MongoDB. [7]

This research paper provides an in-depth analysis of the evolution of Database Management Systems (DBMS) over the years. The authors explore the historical development, key milestones, and emerging trends in the field of databases. The paper also discusses the impact of technological advancements on the design, functionality, and performance of DBMS. Database Management Systems play a crucial role in organizing, storing, and retrieving data efficiently.[8]

Methodology/Experimental

A. Block Diagram

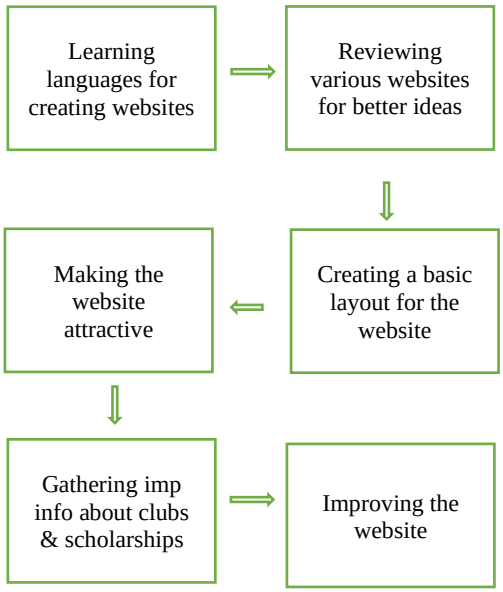

FIG-1: - Roadmap For Creating Website.

B. Synthesis

1. Explore existing club and scholarship websites to get ideas and understand best practices.
2. Summarize the information gathered to create a comprehensive website plan

C. Characterization

1. Identify the target audience for the website (ex, students, club members, scholarship applicants).
2. Define the goals and objectives of the site (ex, provide club information, facilitate scholarship applications).
3. List the features and functions needed (ex, user registration, club pages, scholarship application forms).

II. RESULTS AND DISCUSSION

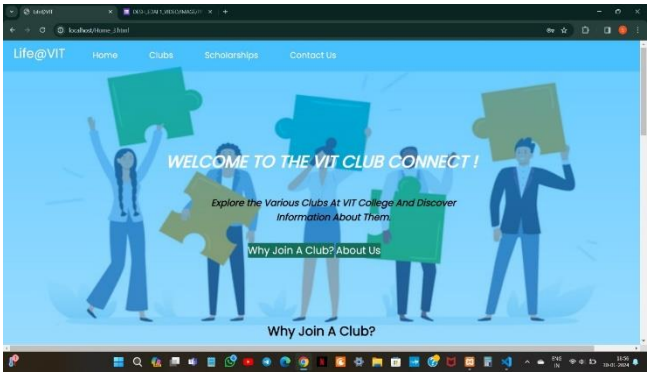

FIG-2: - Homepage Of the Website.

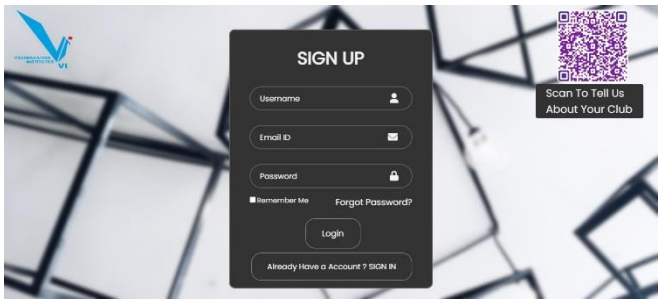

FIG-3: - Login /Sign Up Page of the Website.

1. User engagement and interaction:

• Provide statistics on the number of users visiting the website.

• Highlight user engagement metrics such as page views, time spent on site, and visit frequency

• Discuss any patterns observed in user behavior, such as popular sections or features.

2. Registration and participation in the club:

• Present data on the number of registered clubs on the website.

• Discuss any patterns observed in user behavior, such as popular sections or features.

3. Use of scholarships:

• Report usage advertised on the website.

• Discuss any differences in the use of different types of scholarships and identify possible reasons.

4. User Feedback:

• Include user feedback through surveys, reviews or other feedback mechanisms.

• Summarize common themes in user feedback and highlight any notable positive or negative trends.

Discussion:

1. Impact on club and scholarship awareness:

• Discuss any problems you face in promoting certain clubs or scholarships.

2. User experience and accessibility:

• Analyze user experience with the site and discuss any issues raised by users.

• Explore ways to improve accessibility and usability based on user feedback.

3. Platform efficiency:

• Assess the overall effectiveness of the site in achieving its objectives.

• Compare the results achieved with the original goals set for the site.

4. Challenges and opportunities:

• Identify problems encountered during website implementation and maintenance.

• Explore opportunities for improvement and growth, such as expanding features or collaborating with other platforms.

5. Future recommendations:

• Provide recommendations for future site improvements.

• Design strategies to increase user engagement, promote

clubs and scholarships, and address any issues identified.

6. Conclusion:

• Summarize key findings and insights from the results and discussion.

• Reiterate the importance of websites for college clubs and scholarships.

IV. FUTURE SCOPE

As we envision the future trajectory of the club and scholarship website, the goal is to transform it into a dynamic hub that fosters collaboration, innovation, and knowledge sharing within the academic community. The following outlines the future scope of the website:

1. Research Section:

The introduction of dedicated sections to showcase exemplary research from various clubs and scholarship recipients will inspire others and give visibility to impact projects. This may include multimedia presentations, interviews, and articles highlighting the journey and results of a successful research effort.

2. Skills Development Resources:

Incorporating skills development resources and workshops will allow club members and scholarship recipients to improve skills. Workshops on data analysis, presentation skills and grant writing can be organized to suit the needs of the academic community.

3. Grant and financing options:

Creating a comprehensive database of available grants and funding opportunities relevant to different academic disciplines will help clubs and individual's secure financial support. Regular updates about new opportunities can keep the community informed and engaged.

By implementing these forward-looking features, club and scholarship websites can evolve into a vibrant and inclusive space that not only supports academic pursuits, but also fosters a culture of collaboration, innovation, and social responsibility within the college community.

V. CONCLUSION

In conclusion, the club and scholarship website stand as an exciting cornerstone poised to revolutionize academic engagement within college communities. First and foremost, it serves as a beacon of the transformative power of collaboration. Through its interactive spaces, it cultivates profound connections among club members and scholarship recipients, igniting innovation and transcending disciplinary boundaries. Secondly, its forward-looking vision places a strong emphasis on empowerment, offering a myriad of resources such as skill development opportunities, grants, and inspiring alumni success stories. These elements collectively catalyze personal and collective growth, shaping a landscape where academic pursuits are synonymous with progress and impact.

Our journey with this project has been nothing short of exhilarating. Through this endeavour, we have witnessed firsthand the profound impact that meaningful connections and supportive communities can have on fostering academic excellence and personal development. As we look to the future, we are filled with excitement and anticipation for the countless experiences and opportunities that lie ahead. This project serves not only as a testament to our collective potential but also as a driving force for positive change within the academic sphere.

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