

Student Hive

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Abstract: Our project focuses on a social media platform for the students helping them with their academic progress and wellness avoiding the vast exposure of a social media platform. They could see the academic progresses and the research works done by their fellow peers and gain knowledge. They could post photos of the certifications that they have done which would greatly help others to look into the matter they have done. They could look up for the current and upcoming events that are about to happen or that are happening around the campus which would help them to attend or refer a friend who might be interested in those events which definitely would contribute to a positive environment. They could add friends and see their friend's profile for information and posts posted by them in their wall.

Keywords: social media, addiction to media, request, edit profile.

1. Introduction

We all know about the increasing popularity of the social media platforms. Everyone uses a social media platform based on the personal interest of the individual. Social media is a vast platform which can be used for several purposes. Some of the purposes include information, education, entertainment and many others. Social media platforms were mainly created with the purpose of information sharing like how publishers can distribute their information to thousands of people which helps them in building strong connection. We have facebook which students frequently use when they are bored and need a time for relaxation. It helps students to know about each other and their personal identities. As years went on children and teenagers started spending more time on the social media platforms. Dube (2016) study found that long term use of the social media platform resulted in mental health issues such as depression. Many studies have been started on the topic focusing the relationship between mental health and online social networking. According to dube some of the mental health issues faced by the students are decreased self-esteem, anxiety, depression, having a feeling of lack of connection, inferiority complex, symptoms of lack of attention. Social media can also be a source of violation or mutilation. The real life of people suffers a lot when they spend more time on these social media platforms. Since we put more time more effort on social media we fail to put the same effort and time on our relationships. Catfishing is also a very big problem where people use fake identities to identify themselves as a different individual. The act of catfishing has ruined many relationships. Cyber bullying

is also a major issue. Cyber bullying has resulted in the loss of many lives in the last couple decades as it allows to humiliate the victim by posting in front of their fellow peers. According to Bannink et al cyber bullying happens mainly because of social media platforms. As a whole social media has negative and positive sides. The positive side is when people use it for predetermined goals.

2. Literature Review

Sebastian Stier, Arnim Bleier, Haiko Lietz & Markus Strohmaier proposed an examination of the language used in messages adds methodological rigour to the findings, confirming that politicians largely utilise Facebook for campaign-related goals such as promoting their activities, while preferring Twitter for political commentary on current events. We relate these variances in the mediation of political communication on social media to differences in the audience and sociotechnical context.

Sulaiman Ainin, M. Muzamil Naqshbandi, Sedigheh Moghavvemi, proposed Many educational institutions and educators use Facebook to help pupils learn new things. Many students have stated that they use Facebook to strengthen their relationships with their professors and administrators. Many research has looked into students' learning activities, according to a review of the literature. As a result, enabling Facebook at a school, university, or college learning centre would help pupils because Facebook is a fantastic source of news. For example, students might learn about the many activities that are going place while also improving their understanding of current events throughout the world.

3. Objective

The main goal of the project is to make sharing of the knowledge and information within the campus easier and enjoyable. The main fundamental function of a social network system in a college is to have easier communication and cooperation among the users which could help in facilitating studying, teaching and research activities. The concept of knowledge sharing and generation are always interlinked with one another as the college social network paves way for knowledge sharing and knowledge gaining in a direct and indirect manner. Members of the campus such as students, Faculty and teachers are the most active users of the platforms

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especially services like the social networking platforms. Because of that the social networking platform student hive is restricted to the usage of students and faculty personnel. This project’s main benefit is that it will encourage students and professors to improve their educational communications and partnership

4. Existing System

There are many social networking services available currently on the internet that brings upon people together. There are wide variety of pages and services available which keeps people entertained and informed of the current happenings of the world. There are numerous distinct social media sites for various reasons for example, LinkedIn is a professional social network, whilst Snapchat is a social media platform aimed mostly at youngsters.

5. Proposed Approach

The site is linked to the actual environment and activities of college and may give immediate assistance for learning, teaching, research, and cultural activities taking place on campus. On the other hand, it is capable of providing its users and the organizations to which they belong with tight information and privacy protection. Social contact has a favorable impact on the quality of information generated, and social networks can assist students in sharing their experiences and collaborating on important themes. Main advantages of our system are students will be informed about fresh ideas and perspectives. This website allows students to share and learn at the same time. This social media platform will be a valuable asset to the university and may be utilized for a variety of useful reasons.

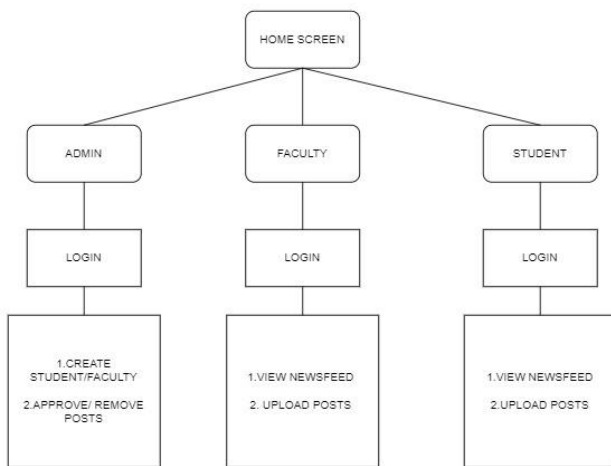


Fig. 1. Fundamental design knowledge

6. Modules

Final result of proposed project defines in two modules.

Login Logout: This is the login page of the website where a new user can be registered. An already existing user can login with their credentials through the login portal.

New user can be created by filling up the personal details

required and setting up a username and password for them. Once they have signed up, they can login using the username and password they created.

A. Main Dashboard

This is the main interface of the user. This helps the user in finding the posts of the friends. This also helps in searching new friends and send friend requests. We can upload photos to the wall.



Fig. 2. Main dashboard

7. Requirements

A. Methodology

The software requirements needed for this project include,

- To develop a web application, we need to work on frontend and backend.
- For the front-end development, we are using Html, css and Javascript.
- For developing the backend, we are using PHP.
- For storing and retrieving data in the database we are using Mysql.
- For database connection we are using xampp.

1) JavaScript

JavaScript is a text-based computer language that may be used to create both client and server-side interactive web pages. Where HTML and CSS provide web sites structure and appearance, JavaScript adds interactive elements that keep people interested. When a web page does more than just sit there and display static information for you to look at, such as displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, and so on, JavaScript is a scripting or programming language that allows you to implement advanced functionality on web pages. There's a strong possibility you're dealing with JavaScript. One of the main reasons for Javascript's popularity is that it is very simple to learn. Even without any web development knowledge or experience, the majority of individuals could create a web page in a reasonable length of time using just one file. The syntax is basic, and command functions are straightforward to understand

2) PHP

PHP code can be integrated in HTML or used in conjunction with a variety of web template systems, content management systems, and frameworks. A PHP interpreter is often used to parse PHP code, either as a module in the web server or as a Common Gateway Interface (CGI) program. The web server combines the outputs of the interpreted and run PHP code, which can be any type of data, including images, with the

produced web page. When launched through. The most significant benefit of PHP is that it is open source and free. It may be downloaded from any location and is ready to use in the event of online applications.

Advantages of PHP:

- It is platform friendly. PHP-based programs may operate on a variety of operating systems, including UNIX, Linux, and Windows.
- Applications built on PHP and connected to a database can be loaded quickly. It's mostly utilised because it loads faster than other programming languages over poor internet connections.
- Because it is easy and uncomplicated to use, it has a lower learning curve. PHP is simple to use for someone who is experienced with C programming command-line interface, PHP code may also be utilized to develop standalone graphical applications.

3) MySQL

A database is a stand-alone program that stores a set of data. For generating, accessing, maintaining, searching, and duplicating the data it stores, each database includes one or more APIs. Other forms of data storage, such as files on the file system or massive hash tables in memory, can be employed, but data retrieval and writing would be slower and more difficult. To store and handle large amounts of data, we currently employ relational database management systems (RDBMS). Because all of the data is kept in various tables and relationships are made using primary keys or additional keys known as foreign keys, this is referred to as a relational database. There are a variety of reasons why MySQL is becoming so popular:

- MySQL is a popular and easy-to-use relational database management system (RDBMS) that is used by both small and large enterprises.
- MySQL is a free, open-source database management system.
- In all of itself, MySQL is a highly strong tool.
- It covers a significant portion of the functionality of the most costly and sophisticated database products.
- MySQL is based on the well-known SQL data language in its mainstream version.
- MySQL may be tailored to suit your needs. The MySQL software may be modified to match a variety of different situations because to the open-source GPL license.
- MySQL is a fast database that handles massive data sets effectively.
- MySQL gets along swimmingly with PHP, the most popular web development language.

8. Result

Student hive website is mainly used for connecting people of a specific college together and support their social and academic career inside a campus.



Fig. 3.

Existing users can view their profile information and change it as needed. They may look up pals and view their profiles. If required, the user can change their email address and password. They may also upload and see images on the wall.

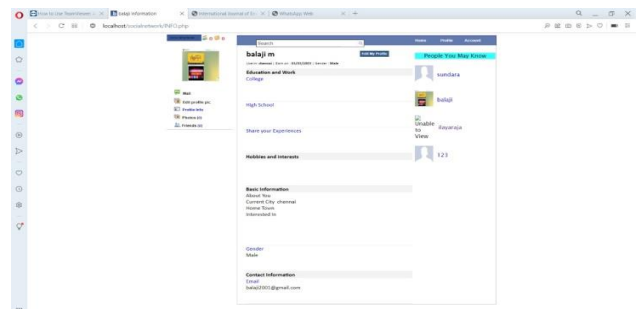


Fig. 4.



Fig. 5.

Users can see their personal information and edit them if necessary. Users can search for their fellow peers and friends and could look up to their profile and get information about their academic advancements.



Fig. 6.

When a user suspects of password breach or wanted to change their username and passwords due to certain reasons they can update their username and password.



Fig. 7.

Users can upload photos to their feeds. Photos they upload can be kept either public or private based on the option they give during the time of upload.

9. Conclusion

The proposed system creates a data piracy free environment for the students and faculties. This helps them gain more knowledge and share their knowledge to the students of the class or college. As a result, it provides indirect assistance for knowledge generation. It generates a public or private profile within a limited system. Social interaction positively influences the quality of the knowledge created on the other hand it can help students to share experiences and collaborate on relevant topics. This project is created as website as it will be easily and

readily accessible anywhere where there is a good internet connection available.

References

- [1] Roblyer, M. D., McDaniel, M., Webb, M., Herman, J., & Witty, J. V. (2010). Findings on Facebook in higher education: A comparison of college faculty and student uses and perceptions of social networking sites. *The Internet and higher education*, 13(3), 134-140.
- [2] Wodzicki, K., Schwämmlein, E., & Moskaliuk, J. (2012). "Actually, I Wanted to Learn": Study-related knowledge exchange on social networking sites. *The Internet and Higher Education*, 15(1), 9-14.
- [3] Center, P. (2014). Social media use by age group over time.
- [4] Yadav, P. S., & Srivastava, P. (2013, December). A statistical analysis of impact of social networking media on higher education. In 2013 2nd International Conference on Information Management in the Knowledge Economy (pp. 9-13). IEEE.
- [5] Griffith, S., & Liyanage, L. (2008). An introduction to the potential of social networking sites in education.