MINI PROJECT

(2020-21)

SOCIAL HUB

SYNOPSIS

Institute of Engineering & Technology

Submitted By: Submitted To:

Rahul Kumar Sharma   Dr. Manoj Varshney
Sarthak Sharma   **Assistant Professor**
Anirudh Saxena   **GLA University**

Acknowledgment

It gives us a great sense of pleasure to present the synopsis of the B.Tech **Mini Project (SOCIAL HUB)** undertaken during B.Tech IIIrd Year. This project in itself is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals.

We owe special debt of gratitude to Dr. Manoj Varshnay, Assistant Professor Department of CEA, for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work. His sincerity, thoroughness and perseverance is been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies. We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

Rahul Kumar Sharma

(181500536)

SOCIAL HUB *A web based Social networking Application*

Problem statement

In the present time, everyone is busy in doing their own work and they haven't much time to connect with people, even with their own family. Due to this problem many of people are losing speaking skills and also they are not able to connect with other people which are not familiar with them. So, we are going to create a social networking site known as "SOCIAL HUB" which will help people to connect with other people no matter if they know or don't know each other.

Objective

Creating a web based application like Facebook, using front end development tool like HTML, CSS & JAVA SCRIPT and back end development tool like PHP with MYSQL database.

Reason for selecting this project

Social networking sites are a great platform for people to connect with their loved ones. It helps in increasing communication and making connections with people all over the world, and it's very beneficial. Social networking sites are everywhere now. In other words, they have taken over almost every sphere of life. If we talk about the educational field, these sites enhance education by having an influence on the learners. They can explore various topics for their projects. Furthermore, the business field benefits a lot from social networking sites. The companies use social networking sites to connect better with their potential clients and business partners. Apart from these reason social networking sites can also use for fun and entertainment. These are some reasons, which attract me to select this project.

Literature Survey

The amount of time people spend on social media is constantly increasing. Teens now spend up to nine hours a day on social platforms, while 30% of all time spent online is now allocated to social media interaction. And the majority of that time is on mobile - 60% of social media time spent is facilitated by a mobile device.

The social media platforms themselves are evolving their tools and options to further attract and engage new audiences (e.g. advent of live-streaming features and 360-degree photos/videos). Newer social platforms, including Snapchat, Instagram, and now Musical.ly, are also competing for their share of the market. Accordingly, brands are jumping into social media with social media ad spend expected to reach $36 billion in 2017.

Astonishingly, the average person will spend nearly two hours (approximately 116 minutes) on social media everyday, which translates to a total of 5 years and 4 months spent over a lifetime, Even more.

So, These reasons clearly shows us that how people is addicted to social media or sites , if we talk about our project as it'll also a social media site with lots of feature so, I can definitely assure you that this project is going to be successful.

Feasibility Study

In present, there are many social networking sites are available like Facebook, Instagram etc. And these are very famous around the globe so, to compete with them, we are going to make our application very light, easy to use and user friendly with great features, so that people attract to our application and start using our product.

Platform Feasibility: The project is based on websites, so this can be access by any device which has internet connection.

Future Scope of this project

This is the age of contacts for interaction between people to people through social platforms in the web. The tremendous popularity of using the social media networking could never have been realized before. In fact, social media have become an important tool of marketing in true sense of customer orientation. The scope of social networking is widening, and today it offers a strong support to the companies in providing the much desired touch of concern. Future of social media networking brings exciting promises, and social media also help companies to sell their product by doing advertisement.

This is the beginning of interweaving social media networking as a positive business process bringing two people together than merely two organizational entities. People can communicate their message to the suppliers or customers and also convey any difference of opinion over the social networks. The business community has started to take a keen interest in the enormous possibilities of reaching and serving the buyers in this emerging domain of marketing.

Social media networking is a more practical approach for dealing with the consumers. It may be for improving the products listening to the customers' views with critical appreciations. It may also help improving the ways of dealing with buyers using them as ears and the eye of the organizations. All the big companies are quite optimistic about the positive impact of Social media networking and gone into developing fully integrated processed with a holistic touch. Take the example of activities the companies like IBM, Microsoft and Google performs to strengthen their networking platforms via social networks like Twitter and Facebook.

The bright future prospect of social networking is also proven with the fact that the technology is integrated in the mobile phones as well. Look at the devices designed with powers of interpersonal communication on a globalized outlook. These devices are now being created to with the perspective of global interaction and messaging across geographical boundaries. The concept is one, wherever on the earth; reach the common platform of the people for everybody's benefit.

So, these reasons are sufficient to say this project has a lot scope in future.

Methodology

It was very difficult years ago to communicate with friends or family living in distant and far off places, thanks to technology that is not a problem anymore. Social networking is growing big in India and rest of the world with more and more users joining it every minute.
On these types of networks we meet up familiar persons or complete strangers whom we share similar interest with. If the earlier trend was making associations and groups physically, the present generation believes in making online communities and forms to discuss issues related to various and diverse topics.

The present system is developed such that a registered user maintains his/her own profile and could also search other similar peer profiles over the application. A registered user can send friend requests over the site.

It was very difficult years ago to communicate with friends or family living in distant and far off places, thanks to technology that is not a problem anymore. Social networking is growing big in India and rest of the world with more and more users joining it every minute.

On these types of networks we meet up familiar persons or complete strangers whom we share similar interest with. If the earlier trend was making associations and groups physically, the present generation believes in making online communities and forms to discuss issues related to various and diverse topics.

The present system is developed such that a registered user maintains his/her own profile and could also search other similar peer profiles over the application. A registered user can send friend requests over the site.

Highlights of this networking site:

- ❖ Registered user can create their profile which will contain their details such as personal, educational, interests etc.
- ❖ Once registered can send friend requests to other users of the site and add them to friends list, similarly can accept friend requests sent by other peers
- ❖ Users can send mails and messages online to friends in profile list which may include multimedia messages as well.
- ❖ Users will have an inbox and outbox containing received and sent messages
- ❖ Users can upload photos and videos and create an album of their own which their friends would be able to see and comment upon
- ❖ Users can set privacy settings for their profile
- ❖ Users can begin or join any communities they are interested in, can post messages in these communities as well.
- ❖ Social networking sites not only allow users to mingle with different people, it also helps to spread social awareness and important information in a faster and simpler way.
- ❖ People can search for long lost friends or family members and can get back in touch with them through this site.

Website: A website is a collection of web pages.

Web pages: A web page is a specific collection of information provided by a website and displayed to a user in a web browser, and these web pages can create using HTML, CSS and JAVASCRIPT etc.

These HTML, CSS and JAVASCRIPT are front end development.

Front End: Front End development is the practice of converting data to graphical interface.

HTML: Hypertext Markup Language is the standard markup language for making static web pages.

CSS: Cascading Style Sheets (CSS) is used to format the layout of a webpage. With CSS, you can control the color, font, the size of text, the spacing between elements, how elements are positioned and

laid out, what background images or background colors to be used, different displays for different devices and screen sizes, and much more!

JavaScript: Web sites contain JavaScript, a scripting programming language that runs on the web browser to make specific features on the web page functional.

Back End: Backend Development refers to the server-side development. The Backend Developer works on Development Languages, Database, and cache, Server, API .The backend web developer should understand the goals of the website and come up with effective solutions .

We are going to use PHP for creating backend of our website.

And we are going to use XAMPP server as a local host to host the website.

XAMPP: XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

XAMPP stands for :   X- Can be use in both Windows And Mac Os

A- Apache http server

M- MYSQL

P-PHP

P-PERL

Hardware & Software to be used

Hardware: We just need a system like PC/computer to use it like database to provide service and to store data from server. E.g. our system works like a local server database.

Software: PhpStorm and Visual studio Code.

- PhpStorm: It is used as editor to write in PHP language.

  (PhpStorm is a commercial, cross-platform IDE for PHP)

- Visual studio Code: It is used to create websites etc. and this is available as open source application.

Testing technologies to be used

We are going to Test it Manually by following parameter:

- ➢ Functionality Testing of a Website
- ➢ Usability testing

- ➢ Interface Testing
- ➢ Database Testing

Contribution make by the project

Social networking website is one of the leading ways of communication that take place between the people these days because it was most easy and secure way to communicate with the world. This project provides an idea of developing the application called a social networking website. Social networking websites like Facebook, Twitter, LinkedIn, and so on. Where People get to know of the people around the world through these social networking websites.

Social Networking means a group of people come together to know each other through the facility of the internet. The social networking website project helps to share videos, images, stories, and a lot of things. Where The user has full control with whom they want to share their data. they can form small groups which help them to share the information within that group. This will be one of the interesting projects that can be worked on. they will be able to use this application for colleges, schools, industries can use it for better communication. The teachers and the students can form a group and share the study materials that are required for their better understanding of the concept. It will reduce the time and minimize the expenditure (approx zero rupees) consumed in getting the hard copy of the study materials. This makes the whole hectic task easy, fast and secure and also available to all at the same time. It can also be used in the organization where the employees and the higher authorities can form a group and share their views and opinions on different matters and policies of the organization so that one can try in improving it. The features that can be included in this project are as follows:

Sharing of videos, images: Through this project, the people will be able to share the images, videos among a group of people and also to the individual id if they want. While sharing their data they can control and put restriction that how can read their sharing data this gives them a feeling that their personal data is highly secure at this platform.

Database management of the people: The people who are apart of the groups or the social networking website application, their information needs to be stored in a well-organized manner. So that when they required to read their personal data they can get it in a very minimum amount of time and without losing a single bit of that data. Managing the data help to increase the efficiency of the storage by which we can store more data in the same memory because proper memory management reduces the wastage of unnecessary memory and increase the speed.

Processing management of request: When lot's of people working on the same platform then they produce a huge amount of request and data a the same time to handle it in an easy way we will design channel which can identify the motive of request and send the request to the particular handler which reduces the load on every processor and increase the efficiency.

Knowledge can be gained: Through this application, it is also possible to share the knowledge-based articles which results in knowledge gain.

Understand easy way: People from different parts of the world can write their message in their mother tongue and at the time when they send then they can translate that massage according to the receiver location and preferred language. which makes it easy to work and give you the freedom to talk with anyone in the world.

Scope for extension into a major project

This project definitely can be extend to a major project by adding lot of more feature which will attract people to use it as daily basis.

Conclusion

In the end of this project, we will get a fully functioning Social networking site.

(Website based application).

REFERENCES:

- **Book References**

  - ➢ A Guide to HTML5 and CSS3

- **Web Links**

  - ➢ https://www.w3schools.com/

  - ➢ https://www.javatpoint.com/

  - ➢ https://www.youtube.com/

  - ➢ https://www.guru99.com/web-application-testing.html