Literature Review
Web Application Designed For Schools and Colleges

Bonny Alex Ninan[1], Sooraj S. R.[2] Ananthakrishnan Baji[3], Manoj C.[4], Anoop M. S.[5], Ratheesh S.[6] & Jooby E.[7]

[1,2,3,4&5]College of Engineering Perumon,
[6&7]Asst. Professor in CS, College of Engineering Perumon

Abstract: The goal of this paper to examine the benefits of applying the social networking technologies in Education Institutes.

1. INTRODUCTION

Some may think why we should apply social networking technologies on an educational institution while we are already having many advanced social networking sites. Students use these social networking sites in their own way in an uncontrolled manner. They create pages, groups; group chats etc. based own their college with their own administration. Principal and other staffs have no access to this. So we need to create a website with all social networking technologies integrated with the students record management system, digital library for study materials etc., this will draw attention of students from using other social networking sites into our newly created educational site. There are many social networking sites which are advanced and they are very necessary to our society, we are not creating a web app to replace them but a small website based on an educational institution and the number of users are limited to the number of members in that institute. This paper will describe about the benefits of applying this technology for an educational institute, and its goal, features etc.

2. EXISTING SYSTEM

Social Networking Systems
1. There are many powerful social networking sites and apps like facebook, whatsapp, twitter etc. which are useful in many ways and are hard to replace.
2. Education Management System

3. Most of the colleges made student records online.
4. Some colleges have digital libraries.
5. Live attendance management system is successfully implemented in some colleges.

Problems in Existing System Social Networking Systems
1. Students and staffs are not so much connected in the existing social networking sites Education Management System
2. Most of the student management system maintains a low quality.
3. Teaching staffs shows laziness in uploading study materials and are not much interested.
4. Most educational institutes lacks a good digital library

3. PROPOSED SYSTEM

1. Bring an advanced student record management system.
2. Reduce the misuse of FB and whatsapp which cause conflicts in many college campus.
3. Increase communication and friendship among students and staffs in a controlled manner.
4. Digital library with new features which will keep the library more live and vast.
5. Integrating all these in one web project.

The system was implemented by a different user to verify that the system works effectively and is giving confidence on the new system for the use that it will work efficiently and effectively. It

involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the changeover, an evaluation, of change over methods.

One of the most important development activities is the coding of programs. The system flow charts are converted into modular programs. They have to be complied, tested and debugged. The user requirements are achieved through building software be keeping in mind of their requirements.

This software is implemented with 2 modules

- Social Networking Part.
- Educational Management Part.

4. ABOUT THE SYSTEM

The relative newness of the research into the use of Web 2.0 social networking technologies to support formal educational experiences necessitates a case study approach. Such methodology allows for investigation of complex social phenomena by the examination of a set of rich data [6].

From the context of significant research in computer mediated Communication in educational settings and using constructivist underpinnings, Gunawardena, Lowe, and Anderson put forward a model for phases of learning which occur at both the individual and social level [7]. In the decade since its development, the model has since been applied by a range of researchers investigating educationally focused social interaction facilitated by a range of technologies. The model is comprised of five phases:

1. Sharing/Comparing,
2. Dissonance,
3. Negotiation/Co-construction,
4. Testing Tentative Constructions, and
5. Statement/Application of Newly-Constructed Knowledge.

This model suggests successive stages of increasingly higher mental functions. The model can be, and is most often, used to analyze the discourse and social interaction that occurs among learners in an online environment. However, it can also be used to analyze the learners' perceptions of their learning experience as reported through other data opportunities such as interviews and written reflections. This model was used to investigate the experience of using social networking technologies in a formal learning context.

In [1], the use of social network programming, Java script API and about the performance and scalability of the programs are explained. In [2], Jquery and Javascript are defined. Long polling and short polling methods are also explained throughout. Instant messaging using interprocess communications are mentioned. In [3], encapsulation for social networking technologies for other fields is done. Secure Networking-past, present and future along with formal and informal learning is also done. In [4],Web security, securing user credentials ,messages, status, personal data etc. With flexibility and efficiency of readable programs are discussed. In [5], structure of current social networking sites, security management and data management are discussed. In [6],applying social networking technologies in teaching and learning field, preventing unauthorized activities in web authentication are discussed.

5. Conclusion

Our project will be very useful since we will be integrating social networking with the essential features needed for an educational institute. It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Software development is a very flexible and much functionality can be added it, to enhancement performance of the project title "Integrated Web Application Designed for an Educational Institution" those options that are not included in the software can be included to improve the efficiency of the software. The system is developed such a way that if any modifications and enhancements are needed in future, can be done at ease without disturbing the proper working of the system

Thus this project is sure to make an impact in the current scenario where this software is actually a necessary in an educational institution.

6. References

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