THE IMPLEMENTATION OF WEB 2.0 TECHNOLOGIES IN EDUCATION

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Abstract
The aim of this research is to evaluate the implementation the Web 2.0 technology in education. Whether it in primary school, secondary school or high education. It will focus on the usage of web 2.0 technologies, how it will use and when or where teachers can implement these. Plus we also will produce the effectiveness of web 2.0 in educational field. Others than that we recognize what is the factors for used the web 2.0 in educational field. The subject area will mainly focus on the result of implementation the web 2.0 technologies in education whether it is for student, teachers or lecturer and etc.
Keyword: Web 2.0, Education, School, High Education, Smartphone

INTRODUCTION

The Web 2.0 is the current version of the web, which means it has been progressed in some new generations that provide more interactive and collaborative environment. This web also known as the second generation (Web 2.0) , which is all the environment of web have been change such as it more attractive , interactive, more to information sharing and user-oriented then it is contain collaborative environment online. In others word, web 2.0 is the latest phenomena among the researchers in every sphere of activity (Singh, K., & Gill, M.S., 2012).

What is web 2.0 and what are the implications to the education? Actually the reality is very fast and they despite the fact that many of their occupations does not exist two decades ago. Hence, they anxiety with the technologies nowadays, like they despite their occupations may be redundant to create their posts, then when complaining the future of online learning, they still need to keep their feet on the ground. Actually they do not lose their heads but now 21century era, it provides more easy ways in learning and focusing in education. When a web been in such mentality then the fear of appearing foolish and naïve for certain technologies (Mathew. D, 2012).

 According to Yu, M., Yuen, A. H., & Park, J. (2012), stated that the Web 2.0 application is relevance to the government web sites. Actually it is for the interactions between the government and citizens. It is to extent the relationship and makes it more comfortable situations with the upper and lower people. Hence, the internet is not only for the work process in government sectors, it is also involving a thing that involving relationships and it more to communications.
 As we know, to keep high sophistications of their citizens, the government trying very hard in order to offer high quality online experiences via their web sites.

Furthermore, the possible gaps in the current knowledge involving how the past years or decades age of the education based on teachers, books, library, chalk and blackboards but in nowadays 21 century the world has change and it have a large gaps between past education and nowadays (London, M., 2012). Hence, the electronic communications have many years provide convenient mean for team members to interact of face-to-face of meetings. A web 2.0 technology is a new change and opportunities in communications such as virtual teamwork and learning.

ISSUES

In this paper, I identify several issues regarding to how the organizations having some difficulties in order to sharing information and knowledge with each others which is colleagues. Based on our observation from the previous study have found that Web 2.0 technologies in libraries can help in the growth and development of periodical literature. There also have some limitations of the modes of communications to the teachers and student in active learning. There are some problems statement or issues should be explore by us:

- The hardships in changing information between teachers and students.
- The clueless of Web 2.0 in school.
- Issues in avoiding some limitations of earlier generations with electronic communications.
- Unawareness of Web 2.0 in libraries and information science.
- The clueless of the existence web 2.0 design for education

RESEARCH QUESTIONS
- What are the used of Web 2.0 technology in education?
- How the Web 2.0 technology can help in resource center and academic library?
- What are the internal factors that affect the use of Web 2.0 applicable in education?

RESEARCH OBJECTIVES

The purpose of this report is to evaluate the implementation of the Web 2.0 technologies in education. There are our objectives to accomplish:

- To Identify the usage of the web 2.0 technology in educational fields
- To sharing the effectiveness of Web 2.0 technologies in resource center and academic library.
- To evaluate the factors of using Web 2.0 technologies in education.

LITERATURE REVIEW AND PROPOSED FRAMEWORK

In this era, Web 2.0 technology is a new generation of web sites that contain these tools which is wikis, blogs, and social networking sites. Several articles have been examined and discuss the effectiveness in using the web 2.0 technologies. These articles shows the effectiveness of using web 2.0 in any type of a organization such as entertainment, knowledge management, communications center, learning programs either in archive organization. One of the effectiveness of using web 2.0 is help the work process in services of organizations.

Firstly, according to Gresham & Higgins (2012), stated in their paper that online catalogues can be browse effectively by using web 2.0, it is one of the effectiveness in using web 2.0 from their article. Actually the aim of this paper to understand the effect of using web 2.0 in archive catalogues buts different result has come up which is web 2.0 is improving for brows ability. Hence, this article comes up with some issues, one of these issue is web 2.0 have give advantages in searching, it is efficient ways in order to gain the information, then from this paper also saying that web 2.0 allows user in order to explore the web sites content with accurate ways.

Second, stated by Chua, Alton Y.K., Goh, Dion H. & Ang, Rabecca P. (2012) studied in web 2.0 applications for government web sites. It is saying that the usage of web 2.0 in government web sites. The aim of their articles is to investigate the extent of web 2.0, the ways how it has been used and the presence of web 2.0 technologies in order to increasing the quality of government websites. Their findings found that web 2.0 characteristic is very useful in government web sites which is it can change from traditional to a new technologies. Plus, web 2.0 has these characteristic which is high user control, interactive interface and rich in social network formation.

This been supported by Garoufallou & Charipolou (2012) article. Here they focused on the usage of web 2.0 in library and information sciences education, this paper focused on identify problems and usage of web 2.0, they also find solution that will helps students needs and improve the quality in studies. Hence, according Mitropoulos, S & et al (2014) stated that the usage of web 2.0 in SociaLib which is collaborative digital library model platform using web 2.0. Web 2.0 can help library in integrated their services by using web 2.0 tools

In other hand, based on Isfandyari-Moghaddam, A. & Hosseini-Shoar, M. (2014). Their first purpose of this article is to discover of factors that affecting web 2.0 tools adoption by libraries of academic libraries located in Hamedan, Iran. Their findings found that, why web 2.0 needs to be adoption? Because the effective factors are saving time, the ability of web 2.0, reliable, skills and help in job conditions. Here they concluded that the library community with adopted of web 2.0 can be new participatory technologies and could be best practiced that can be tested, evaluated and sharing knowledge with each others.

Lastly, from other article based on Shafi, S., Gul, S., & Shah, T. A. (2013) shared some different factors from previous article. They focusing on Open Sources Access Repositories that was trying to implement web 2.0 applications in their field. They saying that web 2.0 is one of the tools that can help in repositories to develop more productive and in order to convert indifferent directions with interactive learning model. They also stated that the characteristic of web 2.0 tools can be interesting to librarians in order to making information available and useful. This research paper concluded that features of web 2.0 become familiar the repositories cooperate with web 2.0 technology for some better and interactive platform. The implement of web 2.0 tools in QA repositories still news and need to be improved day by day.
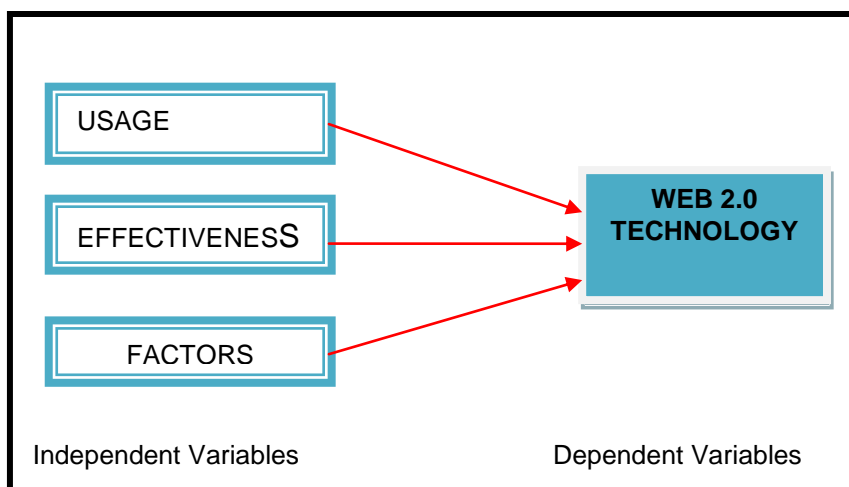

Figure 1: Conceptual Framework on Implementation of Web 2.0 Technologies in Education

There are two variables which are independent and dependent variables. Independent variable is a situation creates change to dependent variable. While, dependent variable is an outcome of the topic that bring by independent variable. The design of research framework is analyses from the literature review based on the topic which is The Implementation of Web 2.0 Technologies in Education. Based on this research framework will provide the outcome of the topic. There are there independent variables which are the usage of Web 2.0, the effectiveness of Web 2.0 and the factors of using Web 2.0. There three independent variables are outcomes of the dependent variable which is The Implementation of Web 2.0 technologies in Education.

CONCLUSIONS

In order to obtain ours aim of this research paper, we have produced three variables that have been come up from our research paper. Actually, we have reviews and summarize several articles in order to gets our research paper variables. So each article has being discussed about their aims and their issues. Hence, the word of effectiveness was defined as the extent to which a monitoring expert could determine (using a specific monitoring technique) if a restriction has been violated, or if a purpose has been achieved. That is the meaning one of the variables in this research. This research also give some tips for teachers in order to use web 2.0 in teaching learning, and give some advices for students to used the web 2.0 technologies which is blogs, facebook, social hub and so on in appropriate ways and do not used it in wrong ways.

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