**APPLICATION OF WEB TECHNOLOGY IN EDUCATIONAL INSTITUTE**

**BY**

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**ABSTRACT**

*The Internet has enabled a great amount of information to be readily available and easily accessible. It has promoted several changes in the world, including in the education area.*

*“Web technology can be defined as technology that requires browser to use different applications on the web.”*

**INTRODUCTION**

Web**Technology** introduces you to the basic concepts of the internet; it also deals with the resources needed to access the Internet. On completion of this unit, you will be able to explain the evaluation of the Internet, Establish an internet connection, explain the role of Internet Services. This course is designed to introduce students with no programming experience to the programming languages and techniques associated with the World Wide Web. The course will introduce web-based media-rich programming tools for creating interactive web pages.

Introduction Technology is perhaps the strongest factor shaping the educational landscape today(John M 1995). Many school districts are showing support for increased levels of technology in the classroom by providing hardware such as tablets and computers, enhancing internet connectivity, and implementing programs designed to improve computer literacy for both teachers and students. Although teachers generally appreciate the benefits of educational technologies, they often find smooth and effective integration of new educational technologies challenging. From acquisition of new technology equipment to adaptation of curricula and teaching techniques to incorporate new educational tools, technology integration presents significant challenges to educators at each level of school systems (S. Fortune and J. Wyllie, 1978). The purpose of this chapter is to present common challenges faced by educators when attempting to integrate technology in the classroom, and offer potential solutions to those problems. Examination of these issues should be valuable to current and future educators, school administrators, as well as educational technology researchers.

The chapter begins by introducing the challenges to technology integration that are external (extrinsic) to the teacher, including access to resources, training, and support. We then present barriers that are internal to teachers, including their attitudes and beliefs, resistance toward technology in the classroom, and their knowledge and skills. The next section presents international perspectives on the technology integration problem, focusing on a case in Chile. The chapter concludes with a short summary of the chapter and condensed recommendations for effective technology implementation.

**DEFINITIONS OF TERMS:-**

Web technology refers to the means by which computers communicate with each other using markup languages and multimedia packages.

Education:- the process of receiving or giving systematic instruction, especially at a school or university.

**EDUCATION TECHNOLOGY**

Education technology from broad sense and narrow sense two aspects to understand. From broadly, education technology refers to "education of technology", **refers to the human in the education activities taken by the sum of all the methods and technical means**. (Streibel. H & Micheal .J 1967) It is into invisible (smart form) and physical (materialized form) two kinds big.

Smart technology is in the form of those in abstract form, in the form of function on the practice of scientific knowledge, such as system methods, etc Materialized form of technology refers to the solidification and the scientific knowledge is embodied in tangible material, including blackboard, chalk traditional teaching AIDS, is also included computers, satellite communications, etc all can be used in education, equipment, facilities, and the corresponding software (Utman U, Garba. K & Fred (2001). From the narrow sense, education technology refers to solve various problems in the education and teaching in the use of all the media technology and system technology.

**1.** In the information age, the role of education technology is not only a auxiliary method in the education teaching , education technology is expanded constantly with the information technology development , has become the education reform and information the source and the commanding heights. Adapt to era development of education, education technology is the realization of education modernization, complete the teaching task, the key to improve teaching efficiency.

**2. THE STATUS OF EDUCATION REFORM**  Education is carried out in education ideology, teaching theory, learning theory and learning theory, Over the years with the teacher as the center occupies the dominant status in Chinese education, students passively and education mode (Utman U, Garba. K & Fred 2001). The traditional mode of education has many defects, education reform is imminent. At the present stage of the ongoing reform process, also highlights the many disadvantages.

**NEGATIVE EFFECT OF MODERN EDUCATION TECHNOLOGY APPLICATION**

The development of education technology, its way of thinking, is by the influence of technology tools and technology ontology. Technical tool theory is for education technology as a teaching tool, technology ontology theory for education as teaching environment. Theory of technical tool more widely, the influence of education technology professional teaching media has been for a long time as a research focus (Utman U, Garba. K & Fred 2001). Educational technology is the problem of education, but also a technical issue, it is a combination of education and technical problems. In practice, people often see it as a purely technical issue, ignoring the education system itself on the application of the technology of restriction and rejection. Education technology as a kind of technology also has its technology limitations. Technology is only a means, though developing rapidly in form, but the form is only realize the essential attribute of choice. Education technology application in the teaching exists many pitfalls (Perraton, H.2011).

1. Misunderstanding one: primary and secondary, teaching focus on teaching content, rather than fancy courseware to give students time to digest and make notes. Consider students accept ability and the feedback situation, adjust to the demo content and schedule. Not abandon all the traditional education means but combine education technology and the traditional education means. Any kind of teaching media is not everything, big talk on education technology and modern teaching means and teaching all sorts of advantages at the same time, must not abandon traditional methods. We should of modern teaching technology and traditional teaching methods optimize combination, their respective advantages into full play. According to the physical and mental characteristics of the students choose the multimedia, students' physical and mental characteristics of different learning levels, different ages of each not same, in the choice of multimedia to study with the specific circumstances of the students. ( Streibel. H & Micheal .J 1967).
2. Maximize the role and effectiveness of the multimedia, courseware demonstrate knowledge of the content must adapt to the teaching content with teaching materials, adapted to the students' cognitive level. According to content choose the multimedia, student is the main body of classroom teaching, teachers are dominant, the multimedia auxiliary teaching effect. Whether to use multimedia in classroom teaching and how to use multimedia should be determined according to the teaching content. Teachers' application of education technology, the use of modern teaching means, the teaching input a stream of fresh wind, clever, activate the classroom, activate the teaching materials, activating teachers and students, the classroom teaching climax, rhythm and lively, layer upon layer, create a relaxed and happy learning atmosphere for students to create a learning environment is full of appeal, Let the student feel in the relaxed atmosphere of knowledge ocean of magic and mystery, so that they learn in the classroom, music in the classroom. Education technology itself is neutral, theoretical system and research object with the progress of society and constantly enriches and perfect (Perraton, H.2011)

**ADVANTAGES OF WEB TECHNOLOGY IN EDUCATIONAL INSTITUTION**

1. Ease of Access to Information
2. Saves Time.
3. Ease of Mobility.
4. Better Communication Means.
5. Cost Efficiency.
6. Innovation in many fields.
7. Better Learning Techniques.

**DISADVANTAGES OF WEB TECHNOLOGY IN EDUCATIONAL INSTITUTION**

1. **The presence of technology can be distracting to students.**
2. **Technology can make it easier to cheat.**
3. **Using tech can cause some students to disconnect from the classroom.**
4. **Some students may not know the difference between reliable and unreliable resources.**
5. **Technology is a resource that not all families can afford.**
6. **Some technologies could replace the teacher in some classrooms.**
7. **Technology can create dependencies for information recall.**

**CONCLUSION**

The web –based education enables a better understanding of the involved technological aspect of educational system, allowing the identification of possible component that maybe object of a standardization process and thus facilities e-learning software development and use. However much work need to be done such as in the context of the web services, in definition of learning related ontologies and services, and in the automatic coordination of the services throughout learning stages.

**RECOMMENDATION**

There are times when technology can provide new experiences to a student. Teachers can use apps and software to reach kids that might normally disconnect from the classroom. Technology in the classroom opens more doors, introduces new experiences, and creates more opportunities for self-discovery. The positive aspects that occur with school integration typically outweigh any of the issues that a district might encounter.

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