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Innovative Thoughts in Learning

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Introduction

Technically it is the 21st century, our challenge is to reinvest schools for the 21st century- for the sake of our children, our students and the welfare of our world. Making such a paradigm shift is not easy. After all, when any of us think of education, we usually think of what we knew as school-the way it has always been. That is how parents, policy makers, politicians and many students think of school. But we have to make the paradigm shift to 21st century education. So what is 21st century education? It breaks the mould. It is flexible, creative, challenging and complex. It addresses a rapidly changing world filled with fantastic new problems as well as exciting new possibilities. Fortunately there is a growing body of research supporting an increase number of 21st century Institutions.

The Internet and IT solutions for teaching

- The traditional role of student /teacher change in putting student responsible for themselves.
- Availability of specialist subjects.
- Enables the contribution and use of experts.
- To tap the various sources of funding.
- It extends world views
- Allow cultural and language development
- Enables collaborative opportunities.
- Reflective learning than spontaneous learning.

The above points may not relate to new technology at all, but this has been the reaction of those that have experienced by using it.

Reasons against using IT for teaching

- There is no availability and skill regarding use.
- Computer mediated communication does not work.
- Lack of frequent access to PC by the student's community.
- Lack of staff resistance.
- Affected the levels of skill and confidence in IT.

Innovative teaching technique

Change is the key element in this 21st century that poses many challenges and enormous pressure on our daily life, work and society. Political, economical social and technological environments are changing significantly and rapidly. Information and Communication technologies transform all aspects of education and distance education, which is rapidly growing segment. Faculty and librarians all the cross roads and being pressured to increase their productivity and to change instructional strategies to accommodate changes in educational reforms. There is a need for the new

vision and the new role of all educationalists in the changing needs of distance education environment. Few innovative teaching techniques are:

1. Web-Based Instruction (WBI) Custom tailored training delivered through a web browser over (Internet, intranet, LAN, etc.). Unlike computer based training (CBT) which is fixed in its format and content, WBI is regularly updated and is available on-demand in several formats. Also called online courseware, online distance education, online learn ware, etc.

2. Computer Assisted Learning (CD)

Computer-assisted learning is to convey a vast amount of information in a very short period of time. It is a powerful method of reinforcing concepts and topics first introduced to you through your textbook, and discussion in the classroom. Computer-assisted learning enables you in a powerful way to comprehend complex concepts.

3. Virtual Laboratories(VL)

The Virtual Laboratory consists of two parts: The archive holds a large number of digitized texts and images as well as data sheets compiled from these resources; the laboratory holds historiographical work on the experimentalization of life as well as a working environment to enable new learning.

4. Teleconferencing

Teleconference: a conference of people who are in different locations that is made possible by the use of such telecommunications equipment as closed-circuit television.

5. Online Lectures

An online lecture is an educational lecture designed to be posted online. Lectures are recorded to video, audio or both then uploaded and made viewable on a designated site. Students may go to a certain designated site to view the lecture online at a time which is convenient for them.

6. Internet Forum

Internet forum, or message board, is an online discussion site where people can hold conversations in the form of posted messages

Benefits of Technology in class room:

Nowadays technology has become very pervasive, essential advanced in society that Technology continues to expand its beneficial influence into better communication and interaction between teachers and students from all across the globe, better instructional material that reach out to more people than ever and informational transfer at lightning speed than other form of communication.

Technologies in classroom are:

The various technology used in class room are

- Computer in class room
- Website blogs and wiki

Wireless classroom and mobile devices

- Smart boards
- Online media
- Digital documentation cameras/LCD Projectors

All these devices are adopted according to the needs and funds of the Institution.

Conclusion:

Technology is always changing. That is the major constant factor for professionals. It's the need to handle effectively the new technology and to hold on. In the future the field of instructional system, design may depend more on the technology rather than educational theory. The need of

technology in learning is quite expensive but learning technologies can be used to encourage enhanced learning outcomes.

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