



REVIEW OF RESEARCH



E-TOOLS FOR EFFECTIVE TEACHING PRACTICES

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ABSTRACT :

The internet has become one of the vital way of to make available resources for research and learning for both teachers and students to share and acquire information Technology- Based e-Learning encompasses the use of the internet and other important technologies to produce materials for learning, teach learners, and also regulate courses in an organization. Oblinger and Hawkins (2005) noted that e-Learning has transformed from a fully-online course to using technology of deliver part or all of a course independent of permanent time and place. Also the European Commission (2001) describes, e-Learning as the use of new multimedia technologies and the Internet to increase learning quality by easing access to facilities and services as well as distant exchange and collaboration.



KEYWORDS : E-tools, Teaching Practice.

INTRODUCTION :

E-Learning refers to the use of information and communication technologies to enable the accesses to online learning/teaching resources. Abbad et al (2009), defined E-learning to mean any learning that is enabled electronically, to mean learning that is empowered by the use of digital technologies. According to Maltz et al (2005), e-learning is applied in different perspectives, including distributed learning, online-distance learning, as well as hybrid learning .E-Learning , according to OECD(2005) is defined as the use of information and communication technologies in diverse processes of education to support and enhance in learning in institution of higher education ,and includes the usage of information and communication technologies in diverse process of education to support and enhance learning in institutions of higher education ,and includes the usage of information and communication technology as a complement to traditional classrooms, online learning and mixing the two modes. Also according to Wentling et al(2000) the term e-learning refers to the attainment and use of knowledge that are predominantly facilitated and distributed by electronic means. To them the e-learning depends on computers and networks, but it is likely it will progress into system comprising of a variety of channels such as wireless and satellite, and technologies such as cellular phones, other researchers also defined e-learning as a revolutionary approach (Jennex, 2005; Twigg,2002) to enable a workforce with the knowledge and skills needed to turn change into benefit. Twigg (2002) described the e-learning approach as centered on the learner as well as its design as involving a system that is interactive, repetitious, self-paced, and customizable.. iLiaw and Huang (2003) defined e-learning based on the summaries of its characteristics They propose a multimedia environment, they incorporate several kinds of information. ,e-learning system support collaborative communication,

whereby users have total control over their own situation of learning, e-learning support networks for accessing information and e-learning allows for the system to be implemented freely on various kinds of computers operating systems.

TYPES OF E-LEARNING :-

There are diverse ways of classifying the types of e-learning. According to Algahtani (2011), there have been classification based on extent of their engagement in education. And based on the timing of interaction. He divided e-learning into two basic types, consisting of computer based and the internet based e-learning.

The computer- based learning comprises the use of a full range of hardware and software generally that are available for the use of Information and Communication Technology and also each component can be used in either or two ways: computer managed instruction and computer- assisted-learning. In computer assisted- learning, computers are used instead of the traditional methods by providing interactive software as a support tool within the class or as a tool for self – learning outside the class. In the computer- managed-instruction however, computers are employed for the purpose of storing and retrieving information to aid in the management of education.

The internet- based learning according to Almosa (2001) is a further improvement of the computer-based learning, and it makes the content available on the internet, with the readiness of links to related knowledge sources, for example e-mail services and references which could be used by learners at any time and place as well as the availability or absence of teacher or instructors. Zeitoun classified by the extent of such features use in education, mixed or blended more, assistant mode, and completely online mode. The assistant mode supplements the traditional method as needed,

THE VARIOUS MODES OF E-LEARNING :-

- Web based learning – This form of training is accessed through the corporate internet. The part of this training, learners can access it at their own pace, within the set time they do not need to travel to the training centers to attend the training. The compatibility of web browsers with animation, and other media elements make it a user- friendly medium to deliver the training. On the flip side, to embrace this learning, the learner needs to meet a certain set of system requirements.
- computer based training – It is training accessed offline on computers. This type of interactive training worked wonders before the advent of the internet. It allows learners learn at their pace and the training progress is tracked by the computer, hence assigning grades instantly, it uses various multimedia elements to engage the learner.
- CD-ROM based learning – This is an obsolete model where the training material was recorded onto compact disks and accessed on the system without Internet connection.
- Webinars – A webinar is a training or a workshop on delivered over the web using videoconferencing software, it mimics the traditional classrooms.
- Virtual classroom – In this type of training both the instructor and learners interact and share knowledge, either offline or online. In simple terms, it is a blend of synchronous and asynchronous learning.
- Mobile learning- Mobile learning is a breakthrough in the e-learning world. In this form of learning, the training material is accessed by learners via mobile device, anywhere anytime with just a few taps.
- Video based learning- In this training both the instructor and learners interact and share knowledge, either offline or online. It is a blend of synchronous and asynchronous learning. Employees can gain knowledge and acquire new skills by interactions and employees who could not make it to the online session.
- Off – the shelf e learning – This comprises training material that is already developed and ready to be used by the end users. The best part of catalog e-learning courses is that, they fulfill the urgent

training requirement, deliver the content in multiple languages , and are cost-effective to train small group.

- Custom ELearning - In this form of e-learning , you can develop courses to suit your content and business requirements that you donot need any license, access the courses with limited system requirements , and gain personalized learning experiences. In simple words , custom e-learning courses are not generic; rather they deliever hot learners expect.

FOUR CATEGORIES OF E-LEARNING :-

Information broadcast – Learner can do read by tools email, power point, conf calls, rapid e-learning

Critical information transfer – Learner can do read, listen and answer some questions and tools are Rapid E-learning, Webcasting

New skills and competencies – Learners can do read, listen and try out new skills.

Certified skills and proficiencies – Learners can do read, listen, try new skills, and become certified.

Advantage of e-learning –

1. It is flexible when issues of time and place are taken into consideration. Every student has the luxury of choosing the place and time that suits him/her.
2. E-learning enhances the efficacy of knowledge and qualifications via ease of access to a huge amount of information.
3. It is able to provide opportunities for relations between learns by the use of discussion forum. E-learning helps eliminate barriers the potential of hindering participation including the fear of talking to the other learners. E- learning motivates students to interact with each other, as well as exchange and respect different points of views.
4. E-learning is cost effective in the sence that it offers opportunities for learning for maximum numbers of learners with no need for many buildings.
5. E-learning helps take into consideration the individual learners differences. Some learners, for instance prefer to concentrate on certain parts of the course, while others are prepared to review the entire course.
6. E – learning helps compensate for scarcities of academic staff, including instructors or teachers as well as facilitators, lab technicians etc.
7. The use of e-learning allows self-pacing, the asynchronous was permits each student to study at his or her own pace and speed whether slow or quick. It therefore increases satisfaction and decreases stress.

DISADVANTAGES OF E- LEARNING :-

1. E-learning as a method of education makes the learners undergo contemplation, remoteness, as well as lack of interaction and relation. It therefore requires a very strong inspiration as well as skills with to the management of time in order to reduce such effects.
2. With respect to clarifications, offer of explanation, as well as interpretations, the e-learning method might be less effective that the traditional method of learning. The learning process is much easier with the use of the face to face encounter with the instructors or teachers.
3. E-learning as a method might have a negative effect. The learners though might have an excellent knowledge in academics, they may not possess the needed skills to deliver their acquired knowledge to others.
4. E learning may also probably be misled to privacy and plagiarism, predisposed by inadequate selection skills, as well as the ease of copy and paste.
5. E-learning may also deteriorate institution`s role and also the role of instructors as the directors of the process of education.
6. E-learning may also lead to congestion or heavy use of some websites. This may bring about unanticipated costs both in time and money disadvantages.

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