IMPACT ON E-LEARNING IN TEACHING LEARNING PROCESS

P. Mohanram* & Dr. C. Manoharan**

*Research Scholar, Department of Education, Bharathiar University, Coimbatore - 641 046. Tamil Nadu, India. coolmohanedu2017@gmail.com *Mobile: 09976135633.*
**Professor, AMET Business School, AMET University, Chennai – 600 041. Tamil Nadu, India. chinnaiahmanoharan@gmail.com

Abstract

In the current era, where technology is rapidly evolving, education has also taken the support of ICT and now offers convenient ways to help increase the knowledge, education, and literacy status of people. E-learning platform provides anywhere, anytime easy access for up-gradation of knowledge and skills. It provides a platform wherein the individual gets a customized package related to key thematic areas, through a self-guided process.

e-Learning courses provide an enabling platform under which the professionals can upgrade their knowledge without going for regular courses, ICDS functionaries, professionals working in the area of Health & Nutrition, Paramedics like nurses, Dieticians, students of home science colleges, medical students, Trainers of training Institutes, those who wish to avail themselves with current ideas in maternal and child development and also mothers who want to keep themselves abreast with the latest and correct knowledge would be certainly benefitted with these courses.

Keywords: *E-learning, online communication, Smart Phones and tablets, satellite TV, Digital collaboration.*

INTRODUCTION

Quite simply, e-learning is electronic learning, and typically this means using a computer to deliver part, or all of a course whether it's in a school, part of your mandatory business training, or a full distance learning course. In the early days it received bad press, as many people thought bringing computers into the classroom would remove that human element that some learners need, but as time has progressed technology has developed, and now we embrace smartphones and tablets in the classroom and office, as well as using a wealth of interactive designs that makes distance learning not only engaging for the users but valuable as a lesson delivery medium. Building partnerships with quality training providers, and combining this with a dedicated experienced technical team and support staff, Virtual College provides the perfect blended learning environment,

offering anyone the chance to take their online training to the next level.

IMPORTANCE OF E-LEARNING

When it comes to online learning in education, the model has been pretty straightforward - up until the early 2000s education was in a classroom of students with a teacher who led the process. Physical presence was a no-brainer, and any other type of learning was questionable at best. Then the internet happened, and the rest is history. E-learning is a rapidly growing industry, the effects of which we can trace back to the 1980s and even well before that (in the form of distance learning and televised courses) – these will be discussed later in this eBook.

Now that affordable e-learning solutions exist for both computers and the internet, it only takes a good e-learning tool for education to be facilitated from virtually anywhere. Technology has advanced so much that the geographical gap is bridged with the use of tools that make you feel as if you are inside the classroom. E-learning offers the ability to share material in all kinds of formats such as videos, slideshows, word documents and PDFs. Conducting webinars (live online classes) and communicating with professors via chat and message forums is also an option available to users. Some of the most important developments in

education have happened since the launch of the internet. These days learners are well versed in the use of smartphones, text messaging and using the internet so participating in and running an online course has become a simple affair. Message boards, social media and various other means of online communication allow learners to keep in touch and discuss course-related matters, whilst providing for a sense of community. In the fast-paced world of e-learning, the available technologies to make a course new and exciting are always changing, and course content can and should be updated quickly to give students the very latest information. This is especially important if the e-learning training is being given to employees in a sector where keeping up-to-date on industry developments is of the utmost importance. This is one of the reasons why many businesses are now offering training via e-learning - other reasons include low costs and the ability for employees to study in their own time and place. Overall, traditional learning is expensive, takes a long time and the results can vary. The importance of E-learning is now a given fact and it can offer an alternative that is much faster, cheaper, and potentially better.

E-learning/training involves the use of a computer or an electronic device (e.g. a mobile phone, CD-ROM, audio or videotape, satellite TV)

to provide training or educational material. The training or education program is delivered electronically, led by an instructor, or without an instructor (e.g. "*self-support learning*"). E-learning applications and processes include mainly:

- web-based learning,
- computer-based learning,
- virtual classrooms, and
- Digital collaboration.

Acronyms like CBT (*Computer-Based Training*), IBT (*Internet-Based Training*), or WBT (*Web-Based Training*) are used as synonyms to E-Learning.

Technology

Various techniques are used to facilitate e-learning.

DIGITAL TEXTBOOKS

Digital Textbooks are expected to grow in a big way this year. Many schools and universities around the world have started using this new technology as an effective learning tool not just because of the comfort it offers but also because of the instructiveness and engagement that it offers. Moreover, schools and colleges are getting more excited about the cost advantage of this offer.

These will make school and higher education the world over more affordable. We see more and more publishers coming into this market (including Google!). Digital Textbooks, wired for Big Data Analytics, is going to revolutionize the learning landscape by bringing in personalization and adaptation to the learners.

ONLINE TESTS AND QUIZZES

Even though e-learning lacks the element of physical presence, tests and quizzes are still an essential part of the educational process. Through online tests and quizzes, an instructor can track the progress of students and assess the effectiveness of the curriculum, while at the same time students can track their progress and improve on their skills accordingly.

MOBILE LEARNING

Mobile Learning offers the flexibility to learn across contexts using a wide range of digital devices. As per most of the market research reports, mobile learning is poised to grow at an incredible rate due to the following factors:

- Higher sales (growth) rates of smartphones and tablets the world over.
- Higher adoption rates of smartphones and tablets for business-related activities in the workplace.

Smart Phones and tablets are poised to take a greater role in the following types of learning in organizations:

- Smart Phones: Just-in-time learning/performance support Tablets: Extended learning.

3D PRINTING

3D Printing is another explosive technology that is coming to revolutionize many aspects of our life. It is a technology that helps turn a digital design (a 3-dimensional file) into an actual three-dimensional physical product just with the click of a button! This technology is already creating waves in the market with the innovative and immense possibilities it offers for developing consumer models. Though 3D Printing technology is in its very early stages, the impact that it is going to create in the learning and education landscape is expected to be intense and powerful than many other technological innovations that we witnessed in recent times. 3D Printers offer learners greater

opportunities for powerful practical experiences and also promote their creative thinking. In short, this technology is going to help educationists and learning professionals adopt a much larger experiential approach that provides a truly productive experience for learners. It is powerful enough to change the learning dynamics of future learners.

FACILITATE CONTACT

Students and teachers should be able to establish an open line of communication. Also, teachers should specify which means of communication they prefer and during which hours. This will ensure that expectations are met and that the student receives the help or support that they need. Also, students should have contact information for the systems IT support staff, and have access to a member of staff regularly if needed. Examples of how students can communicate with their instructors are discussion forums, social media, chats, email, video conferencing, and other VoIP technologies.

BENEFITS OF E-LEARNING

Convenience and Portability

- Courses are accessible on your schedule
- Online learning does not require physical attendance

- Learning is self-paced (not too slow, not too fast)
- You're unbound by time - courses are available 24/7
- You're unbound by place - study at home, work, or on the road
- Read materials online or download them for reading later

INTEGRATION

All institutions, research institutions, regulatory bodies, professionals, academicians, and students can be integrated on regional, state, national, and international levels. Sharing of knowledge, experience, infrastructure, and technology will enhance the effective and efficient utilization of available resources. Students can have access to an unlimited storehouse of information at any hour and from any place.

ACCESS TO BEST FACULTY AND QUALITY STUDY MATERIAL

Since eLearning can cover distances, a few good teachers can be scaled up. Faculty availability is not restricted by geography or even time because of recorded classrooms. The expert teachers also will be identified and honored by the demand for them from learners.

Human bias:

E-Learning helps removes the bias of sex, religion, color, caste etc.

Dust-free environment:

Unlike in the chalk and talk method, the learning atmosphere becomes dust-free.

Individualized instruction:

E-Learning also offers individualized instruction, which print media cannot provide. It makes learning exciting, engaging, and compelling. Blended programs can integrate e-Learning with face-to-face workshops, coaching, action learning, and a huge range of other learning methods to cover a range of needs, styles, and approaches. Private messaging readily support these exchanges while protecting the participants' privacy. Based on the individual and/or group needs, interests, career objectives, and job profiles, lesson modules can be chosen.

Flexible:

On-demand availability enables them to remove stress. E-Learning empowers you to take charge of your learning and to access online library resources. Since the playback of recorded sessions is possible, absentees can learn the lessons when they are back and the slow learners can listen for more than one time.

CONCLUSION

E-Learning provides excellent learning support to the students. Students can have access

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to an unlimited storehouse of information at any hour and from any place. Which is good as face-to-face teaching this support will be available any ware anytime on the internet? This presentation will offer much better learning effectiveness and quality due to clarity of communication and interaction during discussions or tutorials with real teachers and fellow students. E-Learning is highly effective without compromising with quality.

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