Chapter 9
Implementing E-Learning Applications and Their Global Advantages in Education

Deepak Kem
Jamia Millia Islamia, India

ABSTRACT

This paper aims to understand e-learning, and to classify its advantages as well impacts on individuals and also their global development. While understanding e-learning and its importance, the primary objectives of this paper will also be to measure the market growth of the e-learning industry, analyze the essence of e-learning courses, and identify the global advantage gained by e-learning. The present paper is a review paper dependent on data, literature, and information provided by various sources such as online journals and articles. It is a proven fact that e-learning has facilitated the development of educational practices in the global world by developing and providing learning opportunities to all. Keeping this in mind, the present attempt presents an analysis and discussion with a strong focus on e-learning and its global advantages, especially during the forced situations of the COVID-19 pandemic. Addressing the advantage of e-learning, this article evaluates the manner in which learners can interact with their peers worldwide through group discussions and private chats.

1. INTRODUCTION

E-learning or electronic learning is sharing knowledge through various advanced technologies such as mobile phones, webinars, and tablets. Basically, e-learning implies the process of teaching and learning using digital tools or resources. This has resulted in many students changing their learning platform from offline to e-learning. This is due to the reason e-learning helps in making instruction easier and more productive. Various benefits of e-learning will be discussed further in the study. Thus, to define the term, e-learning is system-based learning which depends on electronic technologies and the Internet. Students receive classes through various online modes and through technologies considered to be interesting, like watching television or video on a mobile phone. However, with technological advancements in learning

technology, e-learning has attracted many customers. E-Learning can be understood as a type of learning that is mediated, facilitated and supported by the use of Digital technologies popularly known as Information Communication technologies (ICT). Such ICT enabled learning empowers learners to learn anywhere and anytime keeping their convenience in mind. To put it more simply technology assisted learning is harnessing the power of technology to connect educators and the learners who are separated physically. This mode of learning entails heavy usage of multimedia to boost learning. In the corporate world too e-learning is used for training, timely deliverance of information and expert counsel. There is no denial that teaching and learning can take place anywhere, be it inside or outside the four walls of classrooms, but today computer and the internet comprise as a major component of learning. Technology mediated learning may also be designated as a delivery of network based transfer of education, knowledge and/or skills to mass learners at the same time instantly. In today's world technology is evolving at an alarming pace and all sectors of our society have taken support of technological advancements. Education too has taken the support of technology and equipped itself to offer more innovative, convenient and flexible means to enhance the reach of education as digital platform of teaching and learning provides that flexibility of place, time and access for upgradation of skills, knowledge and qualification.

E-learning is the most preferred mode of learning in the corporate sector and amongst the working class as it helps conduct multiple training programs and orientations for employees across the Globe. Different sectors in the world are introducing e-learning courses, and it is believed that it will help in the progress of nations and countries. It has been reported that e-learning is not only concerned with educating school and college students; it also helps to provide various programs and events in sectors such as medicine, transportation, entertainment, finance and many more. The rise of e-learning has led to a revolution across the Globe. According to Waller *et al.* (2019), it was observed that in the United Kingdom, the market growth (2022-2026) of E-learning would be US $11.57 billion. The main components of e-learning are Market drivers and Market Challenges, which allow e-learning to grow in the market. Besides the telecom revolution which has made Information Communication Technologies penetration possible and affordable, "Rising in-house content development" is one of the factors which contribute to e-learning's market growth. Enhancing the academic sector is an important market driver for e-Learning towards their market growth. The online learning system provides various assessments and training to multiple institutions, which has gained adaptation and recognition in the market. This has resulted in gaining acceleration for personnel development and adaptive learning. It is now a globally accepted fact that e-learning has many advantages over traditional face to face classroom learning. To give a few examples some such advantages would include the opportunity for learners to use self-paced learning and select a learning environment that suits their needs. Moreover, the model of e-learning is not only cost-efficient and cost-effective, it also eliminates the geographical barriers that are often seen to be related with the traditional system of education. On the basis of the advantages it provides and the benefits it has to offer, it will safe to state that the present tendencies of the e-learning market show extraordinary progress for the industry. E-learning initially was not accepted due to lack of human element in the system but with the meteoric advancements in technology the mode has been now positively accepted by the masses. It was the introduction of computers in the education sector in particular, that formed the backbone of this revolution and with the continuous usage and introduction of smartphones and hand held devices etc. technology now finds a significant place in the learning process. E-learning is a an education platform where the learner is provided with a an opportunity to choose a self-guided process where in the absence of educator/instructor the learners have the flexibility to choose their convenient time and place of learning. This flexibility for the learner allows them to adjust learning

8 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: www.igi-global.com/chapter/implementing-e-learning-applications-and-their-global-advantages-in-education/318205

Related Content

Investigating the Relationship Between Visual Attention, Story Comprehension, and Vocabulary Skills in Malaysian Prereaders: An Eye-Tracking Study
Hoo Keat Wong, Siew Ming Thang, Chee Hao Sue, Rosalind A. K. Ahjuand Fung Lan Loo (2023).
International Journal of Computer-Assisted Language Learning and Teaching (pp. 1-19).
www.irma-international.org/article/investigating-the-relationship-between-visual-attention-story-comprehension-and-vocabulary-skills-in-malaysian-prereaders/332878

English Language Learner Motivation in the Digital Technology Classroom: A Case Study of a Vocational University in Indonesia
Baetty Baettyand Michael Thomas (2020). *Recent Developments in Technology-Enhanced and Computer-Assisted Language Learning (pp. 184-207).*
www.irma-international.org/chapter/english-language-learner-motivation-in-the-digital-technology-classroom/242429

Developing Business CAT Teaching System and Course for Chinese Universities
Lifei Wangand Jianling Wan (2011). *International Journal of Computer-Assisted Language Learning and Teaching (pp. 59-68).*
www.irma-international.org/article/developing-business-cat-teaching-system/61347

Use of Computer Technology for Writing Consultations: Tutors' Opinions and Implications
Cynthia Lee (2014). *Engaging Language Learners through Technology Integration: Theory, Applications, and Outcomes (pp. 257-275).*
www.irma-international.org/chapter/use-of-computer-technology-for-writing-consultations/113898

Gamification and Language Learning: Perspectives From Learners
Yalun Zhouand Michael Wei (2024). *Technology-Mediated Language Learning and Teaching (pp. 334-366).*
www.irma-international.org/chapter/gamification-and-language-learning/351925