Role of Academic Libraries in E-learning

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Abstract

The article is focus on the latest trends using in e-learning of academic library, A learning system based on teaching aids but now a day's teaching is based on electronic sources that we may call as an E-learning teaching which is based on out of the class rooms. In E-learning Centre in academic Library has provided lots of facility like use of computers as well as the internet forms in the major components of e-learning system. In the setting of the Changing role of Librarians in E-learning offers to institution to the benefits of library users as well as the faculty members. E-learning environment is supported by collaborative process which is focused on increasing learning abilities of individual and organizational performances. Academic Library training is the crucial role in the E-learning Process, the article tries to expose usefulness for development of e-learning systems in Academic Libraries.

Keywords: online Education, E-Learning, Online Learning, Web-based Learning, Academic library-learning centre

E-Learning Initialisms

CBL: Computer Based Learning; WBL: Web Based Learning; IMI: Interactive Media Instruction

Introduction

The e-learning term was derived from the mid-1990s when the Internet began to collect the Momentum (Garrison, 2011) and the application of e-learning comprises   a computer-based learning as well as web-based learning. Finally, these learning contents can be transferred through the Internet, intranet, video/audio tapes, CD-ROM, DVD moreover TV channels (Mohanna, 2015). Papanis (2005) as cited in Tittasiri (2003: 69) stated that "e-learning contributes faster learning at reduced cost, increased more number of access to the learning, and clear accountability for all participants in the learning process".

Technology has modified all spheres of life, including education and the provider of information. The advancement of technology has changed the form of education into new role of

teaching and learning, known as e-learning, online learning, virtual learning, internet learning etc. The importance of e-learning is growing in academic institutions. The offers of e-learning are flexibility, convenience, and the ability to work anywhere, anytime.. With the emergence of e-learners libraries have to change the way in which they provide their resources and services in order to accommodate the newly emerging users (e-learners). Now day's Academic libraries are connected by network data that is connected to the vast ocean of Internet-based services. Moreover, electronic resources linked to the profession which is developing at an unprecedented pace.
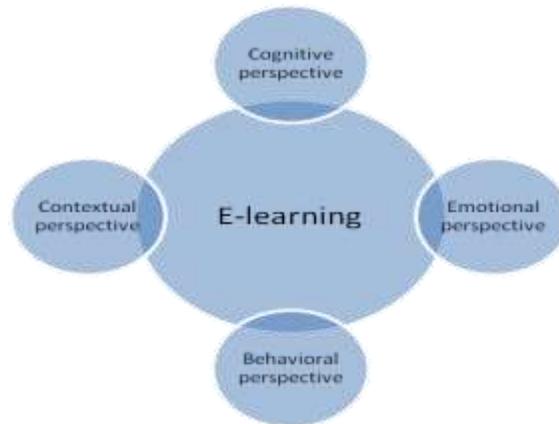

Fig -Fundamental Perspective of E-Learning

The 'Learning' In E-Learning

The second factor in the 'e-learning' equation is learning itself. The meanwhile it is not the place for a reflection of the various theories of learning per se, it is necessary to say briefly what we mean by learning. We recognize that there is already many resources on learning theory important   to e-learning (e.g. work on collaborative learning, Bruffee, 1993, and computer-supported collaborative learning, Koschmann, 1996), The Scope of the e-learning will take place in the chapters of the Handbook, The mainly which has on modes and models of learning, and communities of learning.

ADDIE model

The ADDIE model for E-Learning Instructional Design, It is a Design process model that is made up of five distinct parts: Analysis, Design, Development, Implementation and Evaluation. This post will look at each part in turn and describe how they can be applied in the development of an e-Learning based course.

Fig –ADDIE Model

Definition

'A **learning** system based on formalized teaching but with the help of **e-**resources is known as **E**-**learning**. While teaching can be based in or out of the classrooms, the use of computers and the Internet forms which are considered the major component of **E**-**learning**.

E-Learning is a general term used to refer to a form of learning in which the trainer and student are separated by space or time where the gap between the two is bridged through the use of online technologies**--Wikipedia**

- E-Learning is - a learning system designed and developed by using Information connected Technologies - computers and the Internet and electronic resources to enable people to learn anytime and anywhere.
- E-Learning can additionally the classrooms and used for knowledge enhancement, skill development.
- E-Learning modules comprise Resources, Training, and Guidance from experts.

E-learning in libraries

Today Technology is changing the way we do nearly everything, from driving our cars to experiencing (virtual) reality, right down to the way we learn and teach. Our new Continuum column dives into the e-learning waters by addressing a spectrum of issues including the nature of e-learning, the role of technologically-informed teaching and learning in library work, and the resources that are needed to make e-learning happen.

Types of E-Learning

These types are based on the use of instructor, timing of the course and involvement with others, selecting the appropriate type involves considering the learners prior knowledge, learning speed, time available, and geographic separation

Three main types of e-Learning

- ➢ Synchronous Learning
- ➢ Asynchronous Learning
- ➢ Cohort Learning

Synchronous Learning

Synchronous learning occurs when an instructor and learners are together at the same time but not necessarily in the same physical place Eg. Traditional Classroom is a Great example of Synchronous learning during a traditional classroom session, learners meet at a set time, have discussions and are tested together.

Asynchronous Learning

- Asynchronous Learning or self paced learning is the opposite of Synchronous learning. It occurs when the instructor and learners do not participate at the same time, often there is no instructor at all.
- In the world of traditional education, think of homework as Synchronous learning. If learners are given an activity to complete on their own time by themselves, the learning is asynchronous.
- In the world of e-learning, a self paced course that can be accessed at any time and does not require the involvement of an instructor or peers is considered asynchronous.

Cohort Learning

Cohort learning has an instructor, and learners complete activities such as readings, videos discussion, assignments and projects. There is a specified beginning and end date, but within the course time frames, participants learn and communicate on their own time. Cohort learning includes an instructor who gives and grades tests and other assignments. This model popular in higher education using platforms such as a blackboard.

Blended Learning

Blended learning uses two are more learning events in different formats, for example you may develop asynchronous e-learning modules to present factual information and then invite learners to participate in class room instruction where they can have face-to-face discussions or hand –on practice.

Unlimited simultaneous Users

Where classroom courses can only allow a certain number of learners per session, an e-learning course can be available to unlimited users at any given time, this can allow many people in multiple locations to get access to valuable information right way .This is useful when the entire company needs time-sensitive information and you can't wait for the trainers to get to all the locations.

E-learning Benefits

If you are proposing a brand – new training program may analyze the benefits of conducting the program.

- Which is accessible 24/7, anywhere, anytime any device
- Operates in real time
- individual, Self directed, self-paced and convenient
- Self Motivated, interactive
- Quick, moves faster
- Can lead to increased retention and a stronger grasp on the subject, empowering
- Proven and Get Certified
- No Age Limit
- Time Saved

- Number of beneficiary Increased
- Service Increased
- Quality increased
- Advances knowledge by unlocking information for the benefit of all
- Provides open access to high-quality educational content to educators and learners for whom the material can make the most difference
- Provides a model demonstrating the value of openness
- Institutions, colleges & universities benefit. Both faculty & students also benefit
- E-Learning is - a learning system designed and developed by using Information related Technologies - computers and the Internet and electronic resources to enable people to learn anytime and anywhere.
- E-Learning can supplement the classrooms and used for knowledge enhancement, skill development.

The following Online courseware offered by Academic Library (E-Learning Centre)

- Swayam
- NPTEL
- Inflibnet
- E-PG Pathshala
- Vidya Mitra
- MHRD's Virtual Labs
- KRISHIKOSH
- MIT Open Courseware
- CEDT e-Courses
- Global Courseware
- Utah State Open Courseware
- JHSPH Open courseware
- Notre Dame Open Courseware
- Khan academy
- Coursera
- Virtual Labs

E-learning in Academic Libraries

E-learning in libraries aims to promote relationship in and between libraries, between libraries and their users, to strengthen knowledge internetworking, and to quicken the knowledge flow.

• To promote collection, processing, storage, distribution of knowledge;

• To promote scientific research;

• To promote online courseware and Enrolled the Learners by Academic Libraries.

A holistic integrated view

Useres

E-Learning

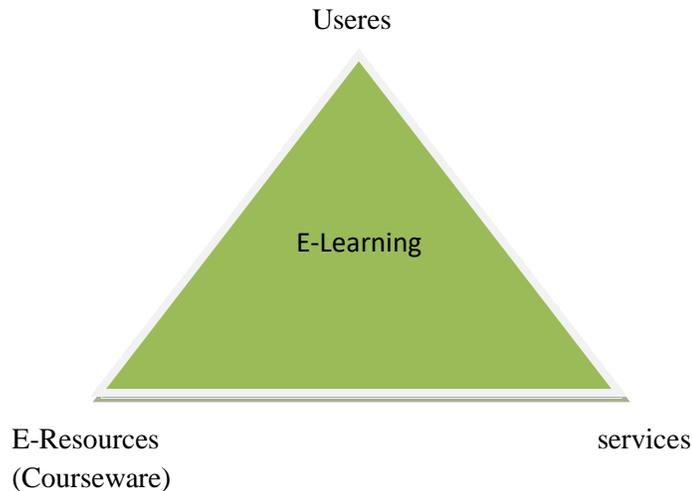E-Resources   services
(Courseware)

Fig-E-Learning centre in Academic Library

Academic librarians generally serve the subject academicians to provide information regarding Teaching, learning and research. Though not everywhere, yet e-learning has been integrated in the curriculum of most of the university by different faculties. From the library side it has been a great opportunity to integrate the library resources and services in support of learning, research and outreach. In recent years several steps have been taken to combine e-learning with the academic work. Most of the modern academic libraries are digital and e-learning can effectively take place in a digital environment. Academic libraries apply appropriate communication technologies in support of e-learning by providing seamless access to electronic resources and services. Electronic resources include online OPAC, Databases, Multimedia, Online journals, digital repositories, electronic books, electronic archives and online / electronic services.

The Initiative which should be taken by the Academic Libraries should take an initiative towards Establishment of an e-learning support centre which would undertake training of the academic staff in integrating the educational technology into the curriculum to provide access to

the content. As a part of this initiatives an Educational Technology unit will develop e-learning smart classrooms, along with video   conferencing and assignment tools enabling flexible learning and teaching with the students studying at their own place. The academic library must have a holistic approach in e-learning whereby different traditional and digital methods and media are integrated in learning and teaching. As faculty and instructors have began to adopt e-learning strategies as a part of their teaching repertoire, libraries played a key role, helping to find and organize resources to complement programmes and courses making use of e-learning in order to provide support to students working through their assignments.

The role of the academic library for e-teaching and e-learning process can be carried out if the library has two types of **requirements.**

Technical and Functional Requirements

a) Show and integrate a variety of Electronic Resource as part of a learning activity

b) provide access to tools that render and present content in user customized formats

c)   integrate plagiarism software into course management systems to encourage good practice

Technical and Cultural Requirements

a) Academic library online resources in course management systems

b) Customize portal Service for Accumulate personal preferences

c) Provide easy access to virtual reference services at the point of need.

d) Academic Library training modules to assist in information seeking.

Role of Academic Libraries in e- Learning

Nowadays academic libraries   are a part of e-learning process and are actively participating by providing online and in person modules, guides, subject and class based lists, as well as reference (synchronous and e-mail). The library offers classes and courses on research strategies, help students in influential use of   scholarly resources, work with the faculty in planning and developing online courses to integrate concepts of information literacy throughout the curriculum. The Learners need to support in Academic Libraries which is able to articulate the in formations, it is the most successful e-learning process through the find appropriate Electronic resources. The Learners to focus on course content with Academic Libraries .In the case of libraries what is good for the online student is also useful for the campus based student.

Academic Libraries are contributing to develop web based modules to support course integrated instruction session but also it is encourage to the students with help of the Online Contents.

The requirements on the part of the Librarian to be a part of e-learning are:

a) Through The Academic Library   is offered the information to Student and Faculty by Librarians.

b) Complementary e-learning tools by faculty and departments.

c) Actively seek representation through appointments to committees that deal with selection,

d) Management and governance of online instructions systems on their campus

Conclusion

According to Web-Based Education the learning for an education process through web source is called e-learning. The Academic Libraries gives us information rapidly through E-Learning. The electronic resource can be found from anywhere or anyplace at any time. The development of e-learning makes three possibilities in the internet-based learning system, they are web course, web centric course, and a web enhanced course. Learning or e-learning is also inseparable from Academic Library. The emergence of improved technological innovation in the field which one need to Know and explore is the E-learning in Academic Libraries.

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