

## **Role of Digital Library in E- Learning**

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### **Abstract**

Digital libraries unlike traditional one can make services and library resources available via internet, to support E-Learning Today the idea of e-learning or web based learning is getting accentuation in numerous organizations like scholarly, investigate, corporate or government. be that as it may, strategy for execution of e-learning is as yet an inquiry. Numerous organizations have created separate it based frameworks for e-learning. Computerized library gives a good base to e-learning module. The aim of this paper is to review digital libraries' role in supporting e-learning. Methods: at first a definition of digital library is provided and then differences are discussed between it and traditional one and at the end eLearning definition and position of digital libraries are explored in providing new form of education

**Keywords:** Digital library, Digital library-E- learning, Objectives of digital library, Characteristics of digital library E- books.

### **Introduction**

Electronic learning, or e-learning, refers to computer-enhanced learning. It also refers to research, learning, and teaching in the digital environment. A digital library is a library consisting of digital materials and services. digital materials are items that are stored, processed and transferred via digital devices and networks. Digital library services are services that are delivered digitally over the computer networks. Digital library saves time and space and hence satisfy the laws of library science. The term digital library may refer to the notion of collection without reference to its organization, intellectual accessibility or service attributes. This paper provides information about opinion of digital library services. The digital libraries are maintaining an acceptable level of operational service. Digital library systems have the potential to empower user, not just librarians. To conceive assemble, build and disseminate new information collections for the digital library. Learning based on new information technologies, with fundamental changes in the traditional education concepts, could solve lots of flaws and shortcomings of educational systems and made essential transformation in education. Using virtual world in learning achieved new and appropriate methods. E-learning promotes individualized instruction or learner-centred education where students may set their own objectives and explore their own learning needs online. Learning resources and services are very significant to research and teaching in higher education.

## **Digital Library**

A digital library is a collection of digital objects, such as books, magazines, audio recordings, video recordings and other documents that are accessible electronically. Can include text, visual material, audio material, video material, stored as electronic media formats (as opposed to print, microform, or other media), along with means for organizing, storing, and retrieving the files and media.

### **Definition**

**Sun Microsystems (2002) defines a digital library** as:"the electronic extension of functions users typically perform and the resources they access in a traditional library". A digital library is a collection of digital objects, such as books, magazines, audio recordings, video recordings and other documents that are accessible electronically.

### **Digital Library E-Learning**

The aim of this paper is to review digital libraries' role in supporting e-learning. Digital libraries offer technology based information resources and services to enable learners to access relevant knowledge anywhere anytime. A digital library can link e-learners to library catalogues, licensed journal databases, electronic book collections, selected internet resources, electronic course reserves, and tutorials, and to forums for communication and interaction with others. a diverse array of learning methods that leverage digital resources, online platforms, and interactive tools to facilitate knowledge acquisition and skills development.

### **Scope of Digital Library**

- The five laws of digital library science propounded by S.R. Ranganathan for the time being, digital library system can prove itself as the best instrument to fulfil the five laws of library science.
- Digital library has a promote the economical and efficient delivery of information to all sector of the society and to take an important role in the generation and dissemination of knowledge in areas of strategic imporantance to the society.
- Digital library should contribute to the lifelong learning opportunities and education service expands beyond the walls of library.

### **Objectives of Digital Library**

- To collect the store, organize and access information in digital library form via communication channels.
- To meet the requirements of patrons by providing better services.
- To provide personalized and retrospective services in efficient way.
- To save the time of library staff by avoiding routine jobs.
- To reduce cost involved in various library activities.

- To know the information needs of digital library users.
- To know the reason for using digital library resources.

### **Current Awareness Service**

Current awareness service is important means of keeping the users up to the date in their areas of interest. List of recent arrivals of books. Periodicals, electronic documents, reservation of documents etc. Is generated and are available through the portal.

### **Digital Library Services**

The objective of the digital library could be fulfilled by offering the following services:

- Bulletin board
- Netnews system.
- Audio and video communication
- Electronic table of contents
- Electronic document delivery services
- Electronic theses and dissertations
- Electronic publishing
- Discussion group and forms

### **The Importance of Digital Library**

- To preserve and conserve the digital library materials.
- To made available the library materials to wider audience.
- It facilities worldwide dissemination and access of information and possibility of updateable.
- Online digital library information is increasing.
- It supports propagation and integration of new information multimedia and communication through internet tools that are most significant components of digital library.

### **Needs of Digital Library**

- To provide perpetual access of digitized of digital objects
- To cope with the increasing demand for the information services.
- To improve efficiency in searching and indexing
- To enhance existing services and start new information services.
- To save the time of users and staff in the creation and utilization of information services.
- To provide better management of digitized resources.

### **Characteristics of Digital Library**

- Information resources can vary from simple text to multimedia available at one or several locations; they may be available on different platforms and may have been created and/ or organized differently.
- Information may come from various sources- from electronic journals, producers or vendors to databases; from local libraries to remote digital libraries;
- Digital materials often form part of a larger collection that comprise print materials.
- Information may be coupled with complex metadata structures.
- User can be located anywhere and their nature, information needs, etc, may vary significantly.

### **The Purpose of the Digital Library**

- To expedite the systematic development of procedures to collect, store, and organize, information in digital form.
- To promote the efficient delivery of information.
- Encourage co-operative efforts in research resources, computing, and communication networks.

### **E-Books**

An E -Book is an electronic description of a conventional print book that can be read by means of a personal computer or by using an E-Book reader. Users can purchase it on hard disk or CD. The trendy way of getting an e-book is to acquire a downloadable file of the e - book from a web site to be studied from the user's computer or reading device. The user can quickly download the required book and the readers can bookmark page, create remarks, emphasize passages, and save chosen text also the readers can comprise lexicon and modifiable typescript sizes and styles. Some e-books may be available at free or at low cost, however, prices. Examples are:

### **CD -Rom**

CD- ROMs is a compact disk- read only memory; it is one of the sequences of devices. It is used to store huge amount of prearranged data, bibliographic information full text information and images etc.

### **The Advantages of Digital Library**

#### **➤ No physical boundary**

The user of a digital library need not to go to the library physically; people from all over the world can gain access to the same information, as long as an Internet connection is available

➤ **Round the clock availability**

A major advantage of digital libraries is that people can gain access to the information at any time, night or day. Multiple access.

➤ **Information retrieval**

The user is able to use any search term (word, phrase, title, name, subject) to search the entire collection. Digital libraries can provide very user-friendly interfaces, giving clickable access to its resources.

**Disadvantage**

➤ **Copyright**

Digitization violates the copy right law as the thought content of one author can be freely transfer by other without his acknowledgement. So ne difficulty to overcome for digital libraries is the way to distribute information. How does a digital library distribute information at will while protecting the copyright of the author?

➤ **Initial cost is high**

The infrastructure cost of digital library i.e. the cost of hardware, software; leasing communication circuit is generally very high.

➤ **Efficiency**

With the much larger volume of digital information, finding the right material for a specific task becomes increasingly difficult.

➤ **Environment**

Digital libraries cannot reproduce the environment of a traditional library. Many people also find reading printed material to be easier than reading material on a computer screen.

➤ **Preservation**

Due to technological developments, a digital library can rapidly become out-of-date and its data may become inaccessible. A trend that would stay same in future

**Conclusion**

Digital library already made some proactive initiative in support of e- learning using emerging cutting edge technologies and are capable enough to provide an information rich platform to both instructors and students to tech, learn and state knowledge. The library should encourage and build a culture of knowledge sharing trust and willing collaboration, and maintain an atmosphere that is fail and supportive. The learning environment has ushered new avenues for libraries to blend their traditional resources with digital ones to meet the information needs of learners. This provides access to resources and efficient services to users. It lays greater responsibility on library professionals to develop their skills to meet challenges posed by e- learning environment. In the past, former libraries supported learning by

improving educational collection, tools and facilities for studying, qualifying reference services and books accessibility. In the other hand, digital libraries help learners by providing digital resources and new version of library services.

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