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13. A Role of Digital Libraries in Research and Publication

Manisha Arjunrao Laturkar

Asst. Prof. Librarian, Govindlal Kanhiyalal Joshi (Night) Commerce College, Latur.

Abstract

The digital library plays an important role in promoting the use of Information. Digital libraries give solution to traditional libraries such as storage. This paper discusses the role of digital library in research how it helps in conserving manuscripts and what type of equipments or software are required in this work. We want digital information in every field so that every library should be a digital library. It highlights to which is the free software of the digital libraries and how to use each and every library will be used libraries. It highlights the Necessity, Challenges and issues in creating digital library, there are certain issues which should be taken care like copyright and Intellectual Property Right. This article also explores successful digital library project set up in India and what is the future of digital library in Indian scenario.

Introduction

Digital age has brought a tremendous change in the way information is stared and accessed, It is marked by three distinct featuers: abundance, currency and every access of information .This has brought about a change in the concept of libraries their collection and services, many terms viz," digital libraries", libraries without walls, vitual libraries are emerging to describe the libraries of present day age.

The term 'digital library ' is a shift from the earlier term electronic library which was used for the last two decades to describe the book-less library which realize on telecommunication and computer to provide users with whatever information they need. A digital library is popularly viewed as an electronic version of library where storage in digital form allowing direct communication to obtain material and copying in form a master version .It combines technology and information resource to allow remote access,breaking down the physical barrier between resource.

In wilenskys view, the digital library will be a collection of distributed information services, will Be collection of distributed information services, will make it available ,and

consumers will find it through the automated agents,'in this model it appears that the traditional libraries will have no role to play. How for this will be true only time can tell.

In the early stage of development of digital libraries the main focus was an providing dial up access to online public .Access catalogues(OPAC).To some it may simply mean computerization of the traditional library system,To those with library science background it means doing things in a new way,using new type of information resource,new approach to acquisition ,new methods of storage and preservation .Over the last few years information have become major providers of information in digital libraries.

Defination of Digital Libraries

According to E.A. Fox the digital library may be defiend as ,"new way of carrying out the functions of libraries encompassing new type of information. Resources ,new approaches to classification and cataloguing,intensive use of electronic system and networks and dramatic shifts in intellectual ,organizational and electronic practices."

Lersen difines," A digital library as a global virtual library ,the library of thousands of networked electronic libraries."

1. The digital library is not a single entity.
2. The digital library by requires technology to link resources of many.
3. Universal access to the digital libraries and information services in the goals and
4. Digital library collections are not limited to document surrogates ,but they also include digital artifacts that cannot be represent or distributed in printed formats.

The association of research libraries has identified five elements common to all definitions of digital library as under-

These links are transparent link. In board sense digital libray is computerized system that allow users to obtain a coherent means of access to an organized ,electronically stored repository of information and data. The digital libray consisting of information in the digital analog and digitized form.

Objective

1. Understand the concept of digital libraries
2. Discuss the role of digital libraries in research.
3. Discuss the free software of digital library.
4. Explain the importance of digital library.
5. To explain the digital library copyrights and licensing.

Concept

The term "digital library" is the most recent in a long series of names for a concept that has been written about nearly as long as the development of the first computer, a computerized library that would supplement adds functionally and even replace traditional libraries.

Most of the digital concept that is being managed includes human language ,either in the form of character or coded electronic text ,or digital represtation of human speech.

Digital libraries are organizations that provide the resources, including the specialized staff, to select, structure, offer intellectual access to, interpret, distribute, preserve the integrity of, and ensure the persistence over time of collections of digital works so that they are readily and economically available.

Hypothesis

Digital libraries will not completely replace the physical existence of the document but to meet the demand for information at the present time, digitization system should be introduced so that at least a hybrid libraries environment, the financial cost of digitization introduced the cost to manage this collection will be cheaper than any traditional libraries.

Day by day decreasing cost of digitization online publication is increasing the needs of users who switch to a different environment so needless to say that takes time to all professionals informations and library that they lead themselves to take up the challenge.

A Role of Digital Libraries in Research

Digital libraries are organizations that provide the resources ,including the specialized staff to select ,structure offer intellectual access to interoret ,distribute preserve

The intergrity of and ensure works so that they are redily.

Libraries are now playing an increasing role in educating researches and increasing role in educating researcher and building more effective procedure and approaches across the institution. In recent years , many libraries have demonstrated that they can seize apportunities to help institutions respond to change in research environment.

Libraries play a vital role in the education system by sharing their expensive resource and provide various kind of services to learners.

Copyright and Licensing

Digital libraries are hampered by copyright law because, unlike with traditional printed works, the laws of digital copyright are still being formed. The republication of material on the web by libraries may require permission from rights holders, and there is a conflict of interest between libraries and the publishers who may wish to create online versions of their acquired

content for commercial purposes. In 2010, it was estimated that twenty-three percent of books in existence were created before 1923 and thus out of copyright. Of those printed after this date, only five percent were still in print as of 2010. Thus, approximately seventy-two percent of books were not available to the public.[

Copyright issues persist. As such, proposals have been put forward suggesting that digital libraries be exempt from copyright law. Although this would be very beneficial to the public, it may have a negative economic effect and authors may be less inclined to create new works.

Another issue that complicates matters is the desire of some publishing houses to restrict the use of digit materials such as e-books purchased by libraries. Whereas with printed books, the library owns the book until it can no longer be circulated, publishers want to limit the number of times an e-book can be checked out before the library would need to repurchase that book. "[HarperCollins] began licensing use of each e-book copy for a maximum of 26 loans. This affects only the most popular titles and has no practical effect on others. After the limit is reached, the library can repurchase access rights at a lower cost than the original price." While from a publishing perspective, this sounds like a good balance of library lending and protecting themselves from a feared decrease in book sales, libraries are not set up to monitor their collections as such. They acknowledge the increased demand of digital materials available to patrons and the desire of a digital library to become expanded to include best sellers, but publisher licensing may hinder the process.

Finding

Libraries play an important role in the educational and research process. A digital library can provide access to many of the knowledge networks around the world, which is a necessary component of any research experience.

For exploiting the benefits of digital library in Indian language there is urgent need of tools and applications such translation system so that user can take benefit to reading rare classic published in any language and researcher able to use these tools for their linguistic research.

Conclusion

Technology has brought great changes to the academic world. A new model of education and learning has emerged. The future of academic libraries are being established by consumer demand. Library users are more likely use online resourse because of availability and ease of use. To meet the demand for electronic source academic libraries have shifted the focus from the print collection of hybrids.The most important academic libraries allow the users to access   a

large amount of library resources,evaluating and choosing the best information for their specific requirement.

The library recognize the need to communicate effectively with student to encourage them not to realy solely on the web,but valuable resource available through their libraries.

The ultimate goal is to libraries in building systems that are flexible and adoptable in educating faculty about the kinds of resource and service provided and encourage the use of electronic resource through the libtary website.

Suggestion

1. The digital library should include policies and rules specifying the management required.

2. The users of the digital library should be authenticated in some way so they are known.

3. The content of the digital library should be shown to be authentic.

4. Digital libarary needs high bound wilds network for transfer of multimedia resource.

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