



2. “Digital Library Services in the Digital Era”

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Abstract

Library and information Services are playing an important role in digital era. Library services are now depends upon the information and Communication Technology. This paper is highlight the services of libraries with new technology. It determine the varied elements of ICT. It also define the functions and challenges of ICT based mostly library services

Key words: Digital Library, ICT, Library Services, Role of librarians, Library Transformation.

Introduction

In the present era libraries are playing a very important role to satisfy the needs of users. Within the information society users perceptions has also modified. ICT is playing an important role to transformation of the libraries. the utilization of information and communication technologies (ICTs) has become the explanation a transformation within the users ‘ perception from what is being hosted within the library to how and when service are rendered to satisfy their request. ICT and IT both are parallel conception. Both assembled the technologies like telecommunication due to IT and ICT there has become extraordinary modification within the information collection, preservation and dissemination scene of the world.

Meaning of ICT

According to Hamelink, “ICT are those technologies that enable the handling of information and facilitate totally different forms of communication. It include capturing technologies for e.g. camcorders storage technologies, CD-ROMs, process technologies e.g. application software package, communication technologies for e.g. local area Networks and display technologies like computer Monitor. ICT is that the set of technological tools and resources used to communicate and to make, circulate, store and manage information.

Benefits of Functions of ICT based Library Services

Generally computers in library are used to automatise the following functions.

- Acquisition and budget
- Circulation
- Cataloguing and short loans
- Serial control
- OPAC etc.

The ICT product and services are useful for the libraries.

- It save the energy and resources
- It saves the time of service suppliers
- It helps to manage the information
- It takes small space to avoid wasting the information.
- Due to ICT librarians will offer a lot of information in time.

Since the 1950s use of ICT in libraries has basically gene through four stage, like the main reasons for automating.

- Improving access to local library resources.
- Providing access to resources outside the library.
- Improving the efficiency of internal operations.
- Interoperability of information system.

The Current Trends

Library is large store house of information. Emergence of internet and communication technology (ICT) libraries has been exploit completely different approaches of the same and mode of service is modified.



Transforming the Knowledge into Digital Contents

During the classical period, distinction was drawn between libraries, archives and museums. The chief task of all sections of those institutions was the collection and preservation of documents. The library departments looked after the collection of the written word, whether on clay tablets, as within the Babylonian empire or on papyrus rolls, as in Egypt. But now the condition has been amendment. During this digital age, the overwhelming majority of recently created information is digital. Moving from a real-life learning experience of substance to a digital version of it presents several interesting challenges depending on what the goals are, many models are possible.

Digital Archives

Digital technologies progressively serve to integrated information resource. Text numeric information, image, voice and video have heretofore resided in print or different analogue media for storage and transmission. multimedia system and hyperlinked objects on the world Wide web represent a number of the new forms of information and new ways in which of knowing within the digital that bring together and traditional from to information and transform their use.

- **Benefits of Digital Archives**
 - Flexibility of the digital material.
 - Easy to access the information and content.
 - It saves lots of your time of the users in searching of information.
 - Digital archives are very helpful to save lots of the place.

ICT based Users Services

Due to information explosion information are coming out in electronic format. Users are advent. Research scholars are currently need the information in not only hard copies, however

they need in electronic format too. As needed the users, so many libraries are adopting electronic habits. They using the web, Intranet, Extranet and alternative technologies too to preserve and circulate the information.

Now a day's ICT is used in various fields of library activities to boost users satisfaction. It provides various advantages to the users.

- It gives the information simply and rapidly.
- ICT provides unlimited information from totally different sources.
- ICT provides remote access to users.
- It expedited the reformatting and mixing of knowledge from totally different sources.

With the assistance of ICT, libraries are providing various ICT based mostly services to the users. Which are given below:-

Web 2.0

Web 2.0 is the term offers to explain a second generation of the World Wide Web that is concentrate on the power for people to collaborate and share information on-line. Web 2.0 has been used more as a promoting term than a computer science-based term. Blogs, Wikis services are all seen as elements as web 2.0.

Web access to OPACs:- With the assistance of web-based on-line Public Access Catalogue (OPAC) users can learn how to use one universal access client, the web browser.

Online Instructions:- The web Browsers are helps to librarians to implementing on-line based bibliographic or library use programmes. It provides on-line tutorials on searching on-line resources and virtual tours of library collections.

Electronic document delivery:- ICT primarily based services has become useful to the libraries to deliver the copies of journals and different documents in digital format mainly in portable document format (PDF) to the library users.

Web 2.0 Tools and Applications



Web 2.0 tools are:-

Wikis:- it is powerful content management system. It permits any one add a new article or revise an existing article through a web browser. it is a perfect for college students and researchers and support staff for cooperative work allowing focus and content. Wikis are as information management tools. It's work as knowledge repositories.

Flickr:- it is a social network for showing photographs with the assistance of Flickr users will work together to photo projects and use each other tags to search out new photos Flickr allows users to contribute organize, share and discuss photos.

Podcast:- The podcast like broadcast, it is a series for digital media files that are distributed over the internet using syndication feeds for playback on transportable media players and computers.

Role of librarians

Librarians are unambiguously positioned to play a major role within the digital era and they have to undergo changes in the way they operate and supply information services to users. According to (Sreenivasulu, 2001) librarian will become the guardian of digital information and can be the vehicle to reserve democratic access to information. The digital librarian role can progressively towards giving practice to the users and providing digital reference services, electronic information services, navigating, searching and retrieval of digitized information through web documents that span the universal digital library or the world digital library. Additionally (Sharma, 2000) is of the opinion that professionals have to modification themselves as the information professional and they have to work with e-information resources within the digital atmosphere.

According to (Garcia-Marco 2011) libraries combination information retrieval systems, books, journals, reference databases, electronic collections that are not created by them. As a result, librarians facilitating information transfer through the effective preservation and organization of public documents public knowledge records - to make sure its social utilization so knowledge is effectively transferred. Role of librarian changes as per the type of libraries they are serving. in public libraries, to provide the service and to develop winning info systems, librarians need to understand however people relate to information in every social scenario. (Lukasiewicz, 2007) in educational libraries, librarians play an progressively vital role in student success as students move away from the physical library and immerse themselves within the digital library.

Impact of ICT on Librarians and Libraries

ICT has brought tremendous changes in library services. Today's extremely subtle information technology to facilitate the storage of big amounts of data or information during a very compact space. Information technologies promise quick retrieval of stored information and revolutionized our idea of the functions of a traditional library and a modern information center. ICT is changing the various aspects of libraries and therefore the information profession. Benefits of ICT are resulting in digital information sources and digital media exchange and turning into the dominant kind of information storage and retrieval. Currently it has become simple to access the digital information resources without any restriction to such as hours and day of the week like a physical library. ICT are also implementing the foundations of library and information science which had given by Dr. S. R. Ranganathan, the father of Library and information science.



Conclusion

ICT has brought the new changes within the whole world of information. Computer and new technologies has brought revolution in information society. It modified the thinking of the people and approach of interaction. It affected the life of everybody in each field. World most population is shifting from 'techno-illiterate' to 'techno-literate'. Without the ICT libraries and information centers cannot move a single step. Within the ICT world professions also adopted the new technologies to develop the each field.

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