

DIGITAL TRANSFORMATIONS OF LIBRARY SERVICES DURING COVID-19

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Abstract:

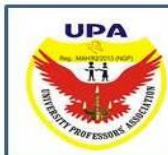
Libraries make change traditional to digital, In 21st century the definition of libraries are change, its becomes a “Library without wall”. Currently the digital transformation of information makes a great change in library profession. All the services are, in a one click within a second. In a pandemic situation digitization of information make a great work to provide a library services. Now a day’s all technology becomes a global. Information can access through smartphone, Library Apps, MOPAC, kiosk, Institutional repository, mobile apps, open sources software, Virtual Library. Implementation of a new technologies libraries can provides a 24 hr. services at anywhere. This paper will focused on Digital Transformation of library and its use in pandemic period. Also discuss the new emerging trends in library and use of open sources software in libraries & introducing the digital library software and services during the COVID-19.

Keywords: - Digital Libraries, COVID-19, Open sources software, Digital library software, Digital Transformation.

Introduction:

Since the beginning of 21st century, fast growth of Information and Communication Technology (ICT) & Web 2.0 technologies, libraries are engages in creating a new ways to deliver the library services through digital transmission system. Now days, ICT support libraries plays a great role of knowledge in society and it’s affected by digital technology are determinant the new advanced technology. Digitization of the information became a great change in the field of library. Library automation make a amazing change to the library services. All over the world, libraries facing lockdown challenges in providing access to library collection and services in COVID -19 pandemic period. All the types of libraries have stimulated their digital services during pandemic period. Such types of situation Libraries used number of e-resources to avoid the breaking a library services.

Libraries become a modern to experience of digital services through mobile App services, by using a web 2.0 and adopting a digitize services to promote a digital culture for libraries. Currently, with adopting a new technologies in many modern libraries, kiosk self-service implemented to enhance the usage of library collection and services by users in digital environment. Library Kiosks have now become a very popular tool in the automated libraries to support the digital transformation. After a pandemic most of the libraries in India are using a Kiosk as a self-service tools provide 24 hours access of libraries services. In digital era society needs to changed fully become a digitize. In this period library become a change in Academic, HEI(Higher Education Institution) , research libraries, to aware the students about



this types of services and to introduced new software by giving an Awareness program , FDP,Orientation, etc. Digital transformation of library services include to provide e-books, e-journals, e- information, mobile based library services, and institutional repositories. Digital transformation of libraries become an easy access to the user for getting an information at anywhere, at any time. All these services are useful for in pandemic situations.

1. Digital Libraries:

In digital era, the role of librarians now changes. With theses changing scenario all data and services of libraries becomes in a one click. Library database can store all useful information in a digital form. The electronic collections are in the form of institutional repository. Internet connection is required to access the digital information. Librarians access the information by using M-OPAC, institutional repository, e-books,etc. Traditional to digital libraries make a easy access for users. And also useful the preservation of information long time.

2. Digital Transformation of Libraries:

Digital libraries become new changes in society. Digitization menace digital transformation. It grows a worldwide changes in education field, political filed, marketing, journalism, health, agriculture and so on. Digitization of libraries introduced a new technology of various sections. The implementation of digital world changed the curiosity of knowledge. In a Academic field convey to self-knowledge gaining for using a various teaching learning platform. These types of libraries provide an all types of information to the user in a one click. ICT based library services provide a dynamic and flexible service to the user.

3. National Digital Library of India (NDLI):

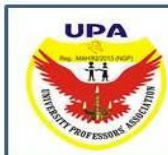
National Digital Library of India (NDLI) is a National Mission on Education concluded Information and Communication Technology (NMEICT) Project developed by the Indian Institute of Technology Kharagpur (IIT KGP), under the aegis of the Ministry of Human Resource Development (MHRD), Govt. of India. NDLI is a single window providing a number of e-resources for make a learning easily foe user. It is a digital repository of India makes a learning digital form with audio and video platform. NDLI includes a textbook, audio, video, modules. It is a 24*7 open access digital library, which anyone can access from anytime anywhere.

4. Digital Library Software Packages:

In Open Sources Software application has lots of platforms for digital libraries and information management. All software are set of application for management of library and information centre.

Some digital libraries software is as follows:

1. D Space
2. Greenstone
3. E Prints



4.1 D Space:

D Space is open sources repository software, used for creating open access repository for published digital content. It is serves a specific needs as a digital archives systems, focused on long term storage, access & preservation of digital contents. D Space allows institutions, such as libraries to collect, archive, index, preserve and disseminate the scholarly communication D space are allows to preserve all types of digital contents including text, MPEG,data sets.it is used for manage a digital content of library including uploading a text, audio, video images, indexes easily to browse. D Space can useful for academic,commercial, digital repository purpose to fulfill the need of users.

4.2 Greenstone:

Greenstone is an open source software useful to building and distributing a digital libraries collection. It is introduced by New Zealand Digital Library Project at the University of Waikato, and developed and spread in cooperation with UNESCO and the Human Info NGO.The aim of greenstone software are to empowers users, libraries,public service institutions to build their own digital libraries.

4.3E Prints:

E-Prints is a free software which developed by school of electronics and computer science at university of Southampton, England and computer science released under GPL license .This software is used an open archive for research papers and default configuration such as images, research data, audio archives can be stored in digital form. The main features are seen in documents managements system specially used in institutional repositories and scientific journals. It can be useful for researcher to access the information anywhere.

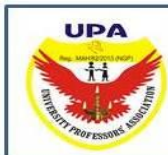
5. Digital Transformation: A Changing Role of Libraries:

The digital technology and services plays a vital role of transforming the digital information. Libraries now became a traditional to modern. In the information era all the information get in a one click. Transformation of digitization brings a web technology such as web2.0, RSS, Blogging, networking sites, mobile apps, etc. The digital transformation becomes a “library without walls”. In 21st century, traditional information become a smart. Libraries provides a information through institutional repository, websites, databases, open sources software, such a dynamic technology used to easily access to reach the particular information.

5.1 The changing role of library professionals to digital transformation as follows:

The digitization of the information brings a wide change of the library profession to disseminate the information retrievals. Libraries can provides the information from institutional repositories, Mobile Apps, open sources software etc. Librarians can give their services by free of paid database and library wed sites. Following points are as follows:

- Purchasing and subscription of e-resources
- Set up the new digital services on the place of traditional print services.
- More emphasis on collaborative and resources sharing practice among the users.
- Support of digital collection and services.
- Setup the 24x7 pattern library services in networking environment.



- Design and development of digital data repositories.
- Implementing the Open Educational Resources platforms
- Development of mobile apps, MOPAC and mobile library websites. etc
- Deterring plagiarism through anti-plagiarism tools.
- Making a QR Code for easily accessing the information.
- Libraries connected with cloud based services.

5. Digital Transformation of Libraries Services during the COVID-19:

Digitization of libraries made a unique change in libraries services. In pandemic situation when it was stop all things even a education institutions was also locked, that time libraries was continuously providing a study materials through online mode. Libraries was provided s educational, health, local news, libraries services, and related study materials to the users. Librarian is only person who was encouraged to the user to disseminate all the information for society. Information can be provided by what's up, by giving a mobile based services, such as MOPAC, Institutional Repository, Open sources software, QR Code, Important link etc. Librarian also gives services through Google Classroom. By sending a Newspaper link and all and making a dynamic library website. It was a big challenge to librarians How to provide the services? But the digitization of libraries makes a change in world wide. MOOCs, Swayam, Online digital platform also useful for self-development courses in various subjects. Overall digital transformation makes easy for information retrievals.

Conclusion:-

With the changing technologies, a lots of emerging trends in libraries have increases with a new change. Digital transformation of libraries are big opportunities for librarians to give all services in a one click. In COVID-19 Pandemic situation digitization of libraries play a vital role in society. All the systems was stopped, then libraries provides a useful knowledge to the user. Libraries are provide the information about open sources software, Institutional Repository access, services with QR Code , MOPAC, Mobile apps, online library resources , Ask a Librarian , useful links databases access. It's only happened the digital transformation of information. Library service can be made available 24*7 with a various online tools. It observed that, the digital transformation of libraries makes a dynamic changes to the user, and its will be implementing future.

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