DIGITAL TRANSFORMATION IN LIBRARIES

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Abstract :

Today's Libraries attempting to meet the need of diverse and complex group of user, who have wide-ranging interest and complex set of demands. Providing access to print information must be the first motto of today's libraries. In past decade the information storage method, media, publishing trends, information retrieval practices etc have changed the concepts of library and information services. Digital transformation is powered by disruptive digital technologies, insights, and processes. The key focus of digital transformation is on transforming for the digital age by influencing customer experience, innovation, and efficiency. Today everything is moving towards digital transformation in this situation library should transform into digital library to satisfy the information needs of the user community. It is only possible through the proper utilization of emerging technologies or ICT. The key aim of this paper is to study how traditional libraries have change into Digital Libraries.

Keywords : Digital age, Academic libraries, Transformation, Digital transformation, intellectual freedom, Analog to Digital

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Introduction:

Technology is one of the foundation of these day's library. Within the present generation , libraries are undergoing a dramatic transformation from Analog to Digital. In recent times most of the government and private sectors are offering services through virtually. Library and information centres have completely been changed due to extensive use of ICT tools and techniques. Today's libraries have made in their infrastructural centers, resources and services. This digital transformation in libraries and its records centres has modified the way of buying and supplying of data resources and offerings to the end users. The want of this era is to move forward for the modernisation of the library activities so that it must be able to be feasible in proportion and collaboration at countrywide and worldwide levels with a purpose to fulfil the diverse demands and wishes of the users at utmost urge. The digital transformation isn't always best having a profound impact on the manner know-how and innovative processes are documented, accumulated, and shared, it's also comprehensively converting and increasing the manner they're produced. Computers are used to compose, format, and structure texts. Software is used to generate, system, and examine studies statistics. IT-based research infrastructures allow the development and use of latest digital research strategies. Having information in digital form opens the door to techniques of processing, linking, and contextualisation that might not had been possible with conventional analogue records vendors. Particularly for knowledge production, but also for artistic strategies, this has given upward push to new forms of collaboration, interaction and change among the users involved. This, in turn, results in new technologies, new financing wishes, and new expert requirements. Whilst making digital facts accessible, libraries have to additionally deal with the complex challenge of complying with the regulation. Copyright, non-public rights, and usage rights lies in vicinity that have limitations on the general public accessibility of digital records. Libraries must correctly follow these obstacles in step with the context of the statistics, sort of library, use of

the statistics, and the user community.

What is Digital Transformation :

Definitions of digital transformation vary according to their purpose and the definer's background. We can assume that digital transformation is about doing things differently—creating a completely new business model by using modern information and computer technologies. In digital technology data is transmitted and stored as strings of 0's and 1's each of which as referred to as bits. These bits are grouped together as bytes to represent data such as numbers, letters, images or sounds. And the term transformation means a thing or activity that changing their nature and functions into another one of the similar value. In this context Digital transformation refers to the "act or process of changing from existing form to digital form".

Digital Library :

A Library is a such a place where we can store books and save different data sources to provide the desired information services to the user. Imparting records provider is the primary purpose of the library. On this context a digital Library is a Library which has digitized or have digital data assets to provide needed records services to the user either personally or through network by using internet, electronic devices, and digitized or digital information sources.

Need for the digital Transformation of Libraries:

Today's Libraries attempt to meet the need of various users and complex organization who've wide-ranging interest and complicated set of demands. Library is an area where we store books, saved books in digital formats and different information sources to provide information services to the user either personally or through network. Offering right information to the proper user on the proper time is not easy but it's a tedious job. Libraries must provide such types of records offerings which may be satisfies the user with their information wishes, which may be keep their time, which may be attract them closer to libraries. Technology is one of the foundation of these days's library . Within the gift generation , libraries are below going a dramatic transformation . The era is coming like a speeding teach or tidal wave invertible and unstoppable . With exponential within the size of garage ,an outstanding increase inside the processing pace ,lower price of hardware and consumer friendly software program , the technology offer new services . New products. electronic sources also are one among fabricated from technology.

Within the changing scenario human beings are likely to be attracted towards digital or electronic environment. They are no longer equipped to spend their treasured time and electricity too much to get what they want due to advanced era, internet, smartphones, emerging programs which made them clever. So these smart humans count on what they need to be to be had right away. They assume everything have to be to be had easily with minimal time, minimal price, and minimum interplay. Its simplest viable in the virtual surroundings through expertise these kinds of mindset, for the expectancies of the people most of the marketers developed online offerings like amazon, flipkart, snapdeal, myntra, ola, uber, redbus, bounce and many others. And they completed superb achievement with extra earnings of their commercial enterprise only because they offer services primarily based on user expectancies. As well as the libraries ought to provide offerings based totally on consumer expectancies. It is only possible thru the proper usage of rising technology or ICT. So libraries want to convert into digital libraries to offer effective information services to the user community.

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Causes of Transformation:

Libraries must be transformed or re-engineered mostly because of the following reasons:

- Information overload and information explosion
- Growth of vast amount of research and development across all industries
- Various needs and demands of readers
- Budget restrictions from the instutions or funding agency
- Use of ICT tools and techniques from all sphere
- Availability of free online and digital resources.

Components of Transformation:

The following developments are primarily responsible for the evolution of the library system:

- Extensive use of computer and information technology
- Use of Bar code, RFID and Smart card technology
- Use of web and Internet technology
- Use of library automation services
- Networking of libraries and information resources
- Social networking (Blogs, Facebook, Twitter, Apps, Skype, Wikipedia) etc

Conclusion:

The ICT technologies have grown very fast in popularity, and this has created a whole new medium for users to access better information services and resources. The future librarians must change themselves according to today's need, think creatively, and pick up new technological skills in order to provide services and resources that best utilise their strengths for structuring and organising materials. It means transforming to digital is not an option, it is nature of development and it's a nature of evolution. Library is a growing organisation, day by day its collection and users will increase. We cannot store universe of knowledge in a single building or library and we cannot provide services to the N number of library users in the library. But it can be possible only through library without wall system so the libraries need to transform itself into digital library.

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