

Information Technology in Libraries in Digital Age

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Abstract— There was a time when libraries were regarded as a store house and books were lying on the shelves just to accommodate the space but not for use. Information resources were restricted to use except books. With the passage of time that old trend has totally been changed and nowadays libraries are regarded as Information Resource Centres with ample of information resources and e resources. Due to the huge explosion of Information, users could not find the relevant source of Information in context of compatible with their required information needs. It is a very big challenge in this digital era towards the libraries and their librarians to bridge the gap between learning tools and its user's needs. This paper would undergo with the procedure of identify, recognize and selection of integrated learning tools according to different information seekers.

Key words: Generation 'C', E Recourses, Information Seekers

I. INTRODUCTION

A. Meaning: Digital Information

It is as simple as if, we use information through electronic tools, called Digital Information. Nowadays India is sounds in itself "Digital India" because everybody in the race to use the technology as per his/her own convenience, in terms of accessing social media, communicating to others and so on. There are so many things which can an individual do through the technology as everything is just a click away.

B. Generation 'C'

Gen C is a powerful new force in consumer culture. It's a term we use to describe people who care deeply about creation, curation, connection, and community. It's not an age group; it's an attitude and mindset defined by key characteristics.

(<https://www.thinkwithgoogle.com/consumer.../introducing-gen-c-the-youtube-generatio>)

C. Objective

This paper is under taken in view in view of the following points.

- To understand the need of Digitized Information
- To study the different user needs at different levels of their area of interest
- To bridge the gap between E learning and users need of information through E resources

II. NEED OF DIGITIZED INFORMATION

Generation 'C' which is totally tech-savvy and do not waste their time to thorough check any kind of information, they required. For example -Just to save their time they do not pull out the newspaper for full text reading and prefer e paper reading. In reality, there is big challenge towards different information seekers to find out the pin pointed source of information which can provide the exact answer of their query and saves the time. Libraries and Librarians are

playing a vital role to bridge the gap between the e-resources and their user's needs.

III. PROCESS OF DIGITIZATION

Digitization of document or any other information has a long process with various steps to go through.

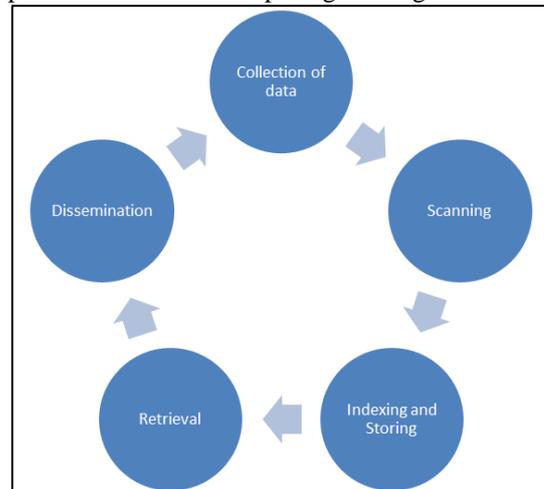


Fig. 1: Process of Digitization

A. Collection of data

This is the foremost and important step to collect the relevant data which needs to be digitized, whether it is text, image, any document or a book. The required data has to be organised, checked across and indexed properly for further proceedings.

B. Scanning

There are a variety of apps and softwares available to make the scanning possible. The information must be properly scanned so that it is further ready in every way. Generation Z learners are in the practice to scan directly from their smart phones itself. It is feasible and saves their time as well.

C. Indexing and Storage

This component is very important in digitizing. Proper Indexing and storage of the document/s help the users in searching as well as retrieving the information efficiently.

D. Search & Retrieval

This is an interface of digital library which is used by end number of patrons to browse, search, retrieve and view the list of the contents of the digital library.

E. Dissemination

Librarian is the medium to disseminate the right information to the right patron with right information source and at the right time through open resources like KOHA etc.

IV. DIGITAL INFORMATION SERVICE PROVIDERS

There are so many government, non-government and private organizations in the world which provide digital information

services to the patrons which could be researchers, students, or readers. Following is the brief illustration on the digital information service providers.

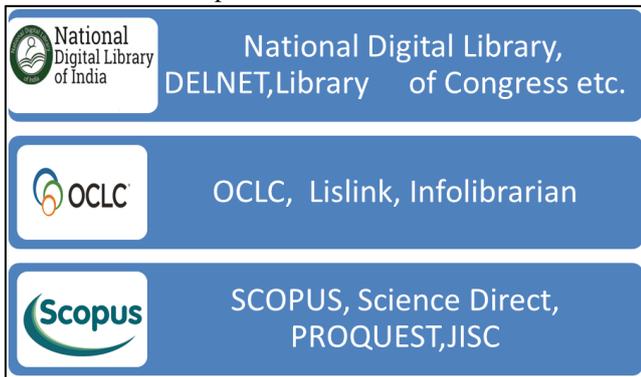
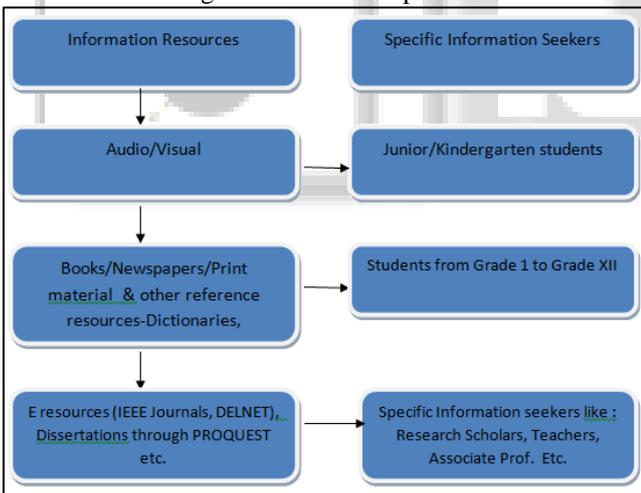


Fig. 2: Digital Information Service Providers

V. INFORMATION RESOURCES VS. INFORMATION SEEKING BEHAVIOUR

Generation ‘C’ exists in this “Digital World”, do not have time to access all the information resources altogether at the same period of time. It is a hardcore fact that sometimes access of right information resources becomes a big question in front of information seekers particularly for specific information seekers.

Now in that case librarians play a vital role to bridge this gap between the right information resources and specific information seekers. Librarian must know the information seeking behaviour of the patrons.



VI. E-LEARNING RESOURCES V/S M-LEARNING RESOURCES

Learners who access e-learning courses primarily interact with the learning content using the mouse and keyboard. This provides more flexibility in the type of interactivities that can be used. Designers can incorporate a wide variety of interactions such as drag and drop, rollover, hotspots, drop down, and more.

Whereas in the case of m-learning resources, learners use their fingers to access the content on the touch screens of their smart phones and tablets. Designers of m-learning materials must make sure that learners are able to

access the content through touch-based interactions such as tap, pinch, swipe, zoom and so on, in a hassle-free manner.

A. Findings

- Information explosion is very much at every available corner;
- E resources are also available with end number of options;
- Librarian could bridge the gap between user information needs and their compatible E resources; and
- A proper training & other personality development programmes should be opted for train the library staff.

VII. CONCLUSION

Due to the above mentioned study, it has been found that nowadays the 21st century libraries are considered as information Resource Centre and the library users (patrons) which are more tech savvy and demands digital information to save their time and to retrieve information in a easeful way. A librarian or library staffs is the only intermediate between user information needs and e resources. A skilled librarian or trained enough, can really do a great job to provide the right digitised information to the right user at the right time.

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