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## COLLECTION DEVELOPMENT AND ICT ACADEMIC LIBRARIES IN E-ENVIRONMENT

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### ABSTRACT:

The ICT have changed the collections, organizations and services of libraries to a great extent which was not possible to predict a few decades ago. This paper highlights the causes of change in library environment. Discusses the changes in libraries e-environment. Critically analyses the changing role of LIS professionals in academic library environments and Professional Development Tools in LIS. Concludes with the remarks that LIS professionals need to find optimum solutions in the library service and information management after properly analyzing the present conditions and future trends and put through needed reform

continuously with full courage and intelligence which will lead towards a better future.

This paper describes various trends in collection development in digital environment. The changes that have occurred in acquisition, retrieval and storage of information due to technological developments have been discussed. Limitations, restrictions and problems being faced by librarians and readers due to the same have also been discussed. The way these developments have affected the academic environment and changed the role of librarian has also been portrayed.

**KEYWORDS:** Collection Development, Professional Development Tools, Electronic Resources, Content Management, Digital Library, Institutional Repositories.

### INTRODUCTION

Library condition has been radically changed with the quick development and improvement of Information correspondence innovation. The ICT have changed the assortments, associations and administrations of libraries to an extraordinary stretch out which was unrealistic to foresee a couple of decades back. With this improvement the library condition have been changed from manual library to

modernized library. Appropriately the jobs of Library an Information science experts have likewise been changed radically. Because of this progressions the capability, information and ability required for Library and Information science experts have additionally been changed. Right now condition, the job of LIS experts is utilizing the cutting edge ICT apparatuses and advancements. Libraries are the storehouses of the astuteness of ages put away as recorded data for utilization of present and people in the future. Advanced innovation has made it all the more simple and agreeable to apply this shrewdness and utilize the gathered data for additional examination and

generally improvement of the general public. Prior, the fundamental undertaking of the bookkeeper was only the material determination yet now the equivalent has been stretched out to the creation and upkeep of sites, showing explicit references, raising money and different errands. In any event, when libraries have been rebuilt and divisions have been given new names like PC application division and so on., the work is as yet seen as having a place either with specialized administrations, reference administration or procurement. Actually, assortment advancement is

crossover work fusing both specialized and open administrations. Places that obscure the lines among these hierarchical units are hard to characterize and assess (Jakubs, 1999).

With the creation of Information and Communication Technology (ICT), libraries currently utilize different kinds of advances to help the administrations they render. Persistent innovative advances have influenced the way of handling data in libraries and data focuses. The effects of new advancements are felt by libraries in each angle. Processing innovation, correspondence innovation and mass stockpiling innovation are a portion of the regions of consistent improvement that reshape the way that libraries get to, recover, store, control and disperse data to clients.

### **LIBRARY AUTOMATION**

The library robotization alludes to computerization or motorization of all library housekeeping tasks. It manages the structure and improvement of procedure and framework that limit the need of human mediation in their activities. Today it has used its extension and incorporates each one of those innovations which libraries and data focuses use for assortment, preparing, capacity, recovery, dispersal, and transmission of a wide range of data at nearby, local, national, and worldwide level. Library computerization not just improves the picture of the library and staff yet in addition offers extra types of assistance to the clients with the current staff. A computerized library and data framework is a set of functional framework incorporating:

### **Causes of change in Collection Development in Academic Libraries E- Environment**

The library and data science condition has been truly modified in view of the social and mechanical changes that occurred during recent decades. The hyper reasons for change in library condition are:

- a) Information innovation has made an extraordinary development with promoting www and its entrance by individuals all through the world.
- b) The volume and assortment of data, especially the electronic are being created step by step have come to a disturbing stage.
- c) The patterns of libraries have been a greater number of clients situated than past with the utilization of different electronic apparatuses.
- d) The estimation of data has been improved inside an association just as in a person.
- e) The changing mentality to reach in a condition of greatness Rapid improvement of Information correspondence Technology and its effect on library framework and administrations.
- f) Rapid improvement of Information correspondence Technology and its effect on library framework and administrations.
- g) Striking and unexampled changes that have been brought by end clients of data and data framework for the pin pointed and comprehensive data with in extremely constrained time. It might be named as social changes of clients at last utilization of data.

### **CHANGE IN ACADEMIC LIBRARY E-ENVIRONMENT**

- a) online databases: the databases which contains various diaries on one or related subjects are being advanced by the clients because of its additional focal points over print diaries. A decent number of online databases, for example, IEL on the web, ASME, ASCE, Science Direct, Emeralds, Proquest and so on are accessible in the market on sensible sovereign.
- b) diaries to Online Journals: the print diaries are being moved to electronic diaries put away in some outer stockpiling medias, for example, CD/DVD are currently being additionally enhanced by online diaries.
- c) licenses from Print to Online: Many licenses are presently open through online through INPADOC or the giving authorities, for example, US Patent House, House, IBM patent Office and so forth.

d) models from print to CD: Several principles, for example, ASTM gauges, ASME measures, IEC benchmarks are presently accessible on remain solitary or arranged adaptation of CD and online moreover.

e) Research Reports structure Print to Online: Research reports which were accessible in print are currently accessible on the web. Case of such online reports are CERN, KEK, DESY and so forth.

f) Books to digital books: In library assortments digital books are progressively possessing a critical position. A decent number of distributors, for example, Springer, Wiley, Elsevier, Cambridge University Press are Producing countless digital books which are sought after by clients.

### **CHANGE IN LIBRARY SERVICE:**

with the adjustments in library assortments, associations and desires for clients, the library administrations have likewise been changed over recent years. The fundamental administrations which are currently being regularly given by present day libraries are

### **Robotized issue and return of records through library programming, RFID and so on**

- Online free list (OPAC) and Web OPAC
- Document Delivery benefits through email, Fax and so forth
- Online Inter library advance offices by permitting outer clients to get to the digital books,
- online diaries as visitor clients Online access offices for electronic assets
- Digital library administrations
- Link to applicable Web asset (authorized and free) through library entrances and
- electronic assets library databases Photocopying to computerized photocopying to arrange printing
- Translation administration structure manual to programmed
- Citation examination through trap of science
- Web based CAS, Conference declaration, news paper cutting administrations
- Reference help work area to " Ask a bookkeeper on the web'
- Digital documenting of diary articles, inquire about report, proposal, venture reports and other
- inner productions through the institutional stores.

### **Changing Role of LIS Professionals in Digital Libraries**

The accompanying examined In current libraries, the job of LIS proficient have been changed As

a) Electronic distributing and online substance the executives: The LIS experts need to assume a significant job in the online substance the executives of the library. Other than. For inside distributions, for example, bulletins, examine reports and so forth the LIS experts may need to assume a significant job by offering their assets mechanical and human to give a site to creating , testing and documenting electronic productions

b) As a hunt Intermediary: Since a lot of data is accessible in a system domain, there needs a job for prepared mediators having search aptitudes, capacities to examination and assessing data assets a match the need with the assets. Additionally, huge measure of data and simpler approaches to get to once in a while presented issues for clients where exactness and credibility might be at question. Right now, the job of LIS Professionals as both client instructor and mediator is generally significant.

c) Provide access to electronic assets: The LIS experts need to give access to the electronic assets alongside the print assets. They may likewise need to gave access to the online assets by making on the web assets vault databases

d) Creation of Digital Library and Institutional Repositories: with the developing notoriety of computerized records, digitization of interior productions, for example, e-articles of the workforce analysts, proposal venture repots and so on, the LIS experts need to make advanced libraries and institutional storehouses to satisfy their clients need in a good manner.

e) Role in instructing clients: In the present data condition, the LIS experts need to assume a job of instructor/counsel in teaching clients. They need to give guidelines.

### NEED OF ICT IN LIBRARIES

The utilization of data innovation in Libraries brings about increment operational effectiveness. The IT builds profitability of library staff. It remembers proficient staff from routine occupations that includes a ton of duplication so they can be productively be utilized for other client arranged library administrations. It improves nature of administrations rendered by the library. Utilization of Information innovation guarantees simplicity of working, precision, and economy in human work with more noteworthy speed. The exponential development of information has made manual framework excess offering approach to mechanized data stockpiling and recovery devices. Successful and proficient treatment of gigantic quantum of data is just conceivable by utilizing PCs.

### DEVELOPMENT OF ICT IN LIBRARY SERVICES

Hierarchical hypothesis and administrative astuteness advocate that for the endurance of any association, the nature of the association must be perfect with the earth. Library is a developing association, which requires steady change so as to keep up a high degree of relevance to the earth. Quick development of assets, data and archive blast, increment in demographic and their interest for steady, responsive, fast, guaranteed, substantial, handled, repackaged, and esteem included administrations have hugely constrained the college bookkeepers to discover answers for productive and compelling administration of their libraries. Like Five laws of library science, quality improvement programs have become the discussion of the day and infers thorough, speedy and pin-pointed administrations. Mechanical phase of humankind continued affecting the data dealing with exercises of libraries.

### PROFESSIONAL DEVELOPMENT TOOLS IN LIS

The data towards Professional Development ought to be for all intents and purposes downloaded from the senior level experts and library administrators. Their own encounters and recognition towards the improving aptitudes in the LIS field helps the lesser level experts a ton. They can give better direction to the fresher's in developing to more significant levels in the calling. Fresher's in the field need to set up better entomb individual relations to become together. Notwithstanding the above there are numerous software engineers to take part exclusively or in gatherings. Such barely any software engineers are recorded beneath:-

- Direction Programs
- Refresher Courses
- Conferences, Seminars, Workshops, etc
- Training Programs
- Internships
- Library Tours and In-House Orientation Classes
- Internet and Library Web Sites
- Information Literacy Participation
- Consortia Participation
- Collaboration Activities
- Man Power sharing through Turn-Key Projects
- Library Week Celebrations
- Dr.S.R.Ranganathan Birth Centenary Celebrations
- Book Faire
- Library Visit.

### CONCLUSION

The Library condition regardless of type, size and so forth is as of now during the time spent change and the change procedure will likewise proceed in future. Right now Library and Information science experts need to acknowledge the progressions and create themselves likewise to suit the changing library circumstance to serve the client customer base in a superior manner. In not so distant

future it will be vital that LIS experts are enriched with the capacity of effective correspondence essential information on innovation that are utilized in libraries and proficiency on PCs and systems. Additionally, they are required to be pioneers to lead a group. Consequently, LIS experts need to discover ideal arrangements in the library administration and data the executives after appropriately breaking down the current conditions and future patterns and put through required change ceaselessly with full boldness and insight. All these will lead towards a splendid future for library and data science experts.

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