

RE-ENGINEERING ACADEMIC LIBRARIES IN A TECHNO - SAVVY ENVIRONMENT: AN OVERVIEW

Murugan K. and. Ravi S.
skpmurugan@gmail.com, ravi@cutn.ac.in

Abstract

The present study deals with Re-Engineering Academic Libraries during a Techno - Savvy Environment: An Overview. The academic libraries motivate the upper education. The upper education needs of developing the knowledge and Communication Technology related to the library resources and services are very essential in the 21st Era. The penetrations of ICTs have reengineered the process of the tutorial libraries to enable and achieve the high level. The library professionals need to focus on reengineering the tutorial libraries through the usage of the Techno-savvy environment of incoming years.

Keywords: *Techno-savvy, Re-engineering, Academic Library, ICT and Web based Library Services*

Introduction

The advent of hybrid libraries proliferated in which digital resources have recently played an important role in academic library activities. The information access was easily and speedily connecting an internet and digital technologies required for today's environment. Required huge amounts of expenditure for the academic libraries, and developed how to use technology effectively. The entire library professionals should be developing the techno savvy related skills developed in the ICT Era of Re-engineering.

Academic libraries

Academic libraries include school, college, university and research libraries. Above all the categories need study and research programmes. It helps conserve and disseminate knowledge of the academic community.

Information and Communication Technology

Information and communication technology (ICT) is defined as the combination of informatics technology with other, related technologies, specifically communication technology. ICT refers to technologies that provide access to information through telecommunications. This includes the Internet, wireless networks, cell phones, and other communication mediums. ICT must play an important role, perhaps even more than in other subjects, which assumes that the use of computer or virtual platforms is "natural" and inherent for education.

Library nomenclature

The Dr.S.R.Ranganathan states the fifth law of library science defined as “Library as a Growing Organism”. The figure.1 explained the library nomenclature.

- Traditional Library
- Library Automation
- Digital Library
- Electronic Library
- Virtual Library
- Hybrid Library

Impact of Information Technology (IT) on Academic Library Functions

The science and Technology motivates in the 21st century in the Information Age. The technology has fast advancement in space communication techniques, the new information and the advanced knowledge are spreading worldwide and penetrating into every part of the world. The society and country required the knowledge society to access information and succeed in using technology to demonstrate their educational goals, academic activities and excellent training of the libraries.

Re - engineering

Its usage in the library means, to set up the library, its goals, and mission of redesigning the library processing and applied to new technology, the benefit of library users. IT helps to improve performance and maximum number of users’ satisfaction, utilising the library resources, reducing cost and easily, quickly accessing the information.

Definition of Re- engineering

'The fundamental rethinking and radical redesign of business processes to achieve dramatic improvements in critical contemporary measures of performance, such as cost, quality, service and speed'. (Hamer and Champy, 1993).

Balasubramanian (2006) defined as to communication states that the term BSR indicates the dramatic change which is connected to the restoration of various organizational structures, applied style of management, managing of human resources and the usage of IT to develop the excellence and qualitative performance.

Techno-savvy Definition

According to Cambridge Dictionary says the “Knowing a lot about modern technology, especially computers”

According to Oxford Lexico defined as “Well informed about or proficient in the use of modern technology

and especially computers”.

21st centuries of the Re-Engineering usage of the Techno-savvy in Academic Libraries

The following facilities are using the libraries are as below:

Web based services

A digital Library service manages and develops electronic services, the library websites and library staff. According to White (2001), it can be defined broadly as ‘an information access service in which users ask questions via electronic means e.g., email or web forms’. It’s using OPAC, Gateways, Portals, Online Databases and Subject Directories.

New Web based Library services

Virtual Library Tours - It’s also using new technologies such as QuickTime movies of the library related all information of the main campus

Ask –A –Librarian- The services are Internet-based question and answer services that connect users with individuals of the related subject knowledge and search skills.

Real Time Service – The new method of digital reference service that a library displays in more now is live reference.

Bulletin Board Service – A usage of electronic communications forum that hosts posted messages and articles connected to a common subject

Web-based User Education - Web guides and teaching tools are found everywhere on the Web because they are easily updated through digital literacy.

Web Forum –Creating library website has some web forms related to posting the suggestion and library related queries are posted and using Interlibrary Loan, online reservation form and user survey etc.

Development of Institutional Repositories - All the Institution details of the information created by the faculty members and students can be collected and preserved in the details stored in the Institutional Repositories.

Wi-Fi facility - Improve the Wi-Fi facility is a technology for easily and quickly access the relevant information for library users carrying laptop, tablet, notebooks and smartphone etc.

Library Professionals Required Skills

Information and communications technology (ICT) skills Today with the advent of ICTs based library services are required the skills for library professionals for the development of library routine activities of Library Automation, Implementation new technologies like Barcode, RFID and Smart technologies.

Usage of Social Media Sites

Information transferred with many social networking sites with Facebook, Linked In, Twitter and Google Blogger instagram etc. Quickly spread the information of library related activities to motivate the users.

To develop the collection development related to types of resources. To motivate the library services using the new methods of using related technology To require Human Resource Management skills for Recruitment, selection, skilled Staff and program organisation etc. To save the time for important reason of the Reengineering plan and Implementation of ICT Based Library services is very important.

Conclusion

In recent years the growth and development of data and Communication Technology features a lot of changes within the academic libraries. The change is important, and therefore the libraries aren't limited to providing services. The constraints for expenditure of the financial problems are raised and allotted some amounts for spending the library development in future and saving the space and time for library users. In coming years able to upgrade libraries with improve the advance technologies applied to modernization library activities.

Reference

- Anjana Bhatnagar. (2005). Web-Based Library Services. 3rd Convention PLANNER -2005, Assam University. Silchar, 10-11 November, Ahmedabad
- Balasubramanian, S. (2006). Successful BPR implementation strategy. Accessed at <http://projectmanagement.ittoolbox.com/documents/successful-bpr-implementation-strategy-13101>
- Dell, S. (2019, May 3). Celebrating a new generation of tech-savvy librarians. University World News. <https://www.universityworldnews.com/post.php?story=20190501150506535>
- Hammer, M.J. and Champy, J. (1993). Re-engineering the corporation: a manifesto for business revolution. New York: Harper Business: pp 31-49.
- Murugan. K. (2016). Application of ICT in Library Services, LAMBERT Academic Publishing, Germany.
- Murugan.K, Ravi.S and Surianarayanan.S. (2012). Use of ICT by the Physical Education Faculty in the Universities: A Study. Journal of Advances in Library and Information Science, 1(1). pp. 44-49.
- Rekha D. Pai. (2015). Library Reengineering: Issues and Trends. Journal of Library Science and Research, Vol. 1, Issue 2, pp.1-6
- Rohtash Singh and Sudhir Tyagi. (2019). Knowledge Management Reengineering Building Smart Libraries. Subharti Journal of Interdisciplinary Research, Vol.2, Iss.No.3, pp.16-19.
- White, M.D. (2001). Diffusion of an innovation: digital reference service in Carnegie Foundation Master's (Comprehensive) academic institution libraries, Journal of Academic Librarianship, 27(3). 173 - 87. <https://egyankosh.ac.in/bitstream/123456789/11272/1/Unit-1.pdf> Concept of ICT Meaning & Definition ICT is technology that ...https://www.hzu.edu.in › csit › IV.1_information
- WHO. (2022). Home/Health topics/Coronavirus disease (COVID-19). World Health Organization. https://www.who.int/health-topics/coronavirus#tab=tab_1