

Impact of Green Information Technology in Library Digitisation

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Abstract

The Digital Era has revolutionized the methods for the organisation and automated handling of information. Thinking deeply changing academic environment, Libraries should plan ahead and take their services to plan ahead and take their services to where users require most rather than becoming too limited or denying users the chance to learn in modern environment using Viral reference service. The search Engine Technology degraded overtime by the rapid increase of web pages and the retrieval strategies has yielded poor results. This article describes a conceptual model of resource access of academic & public Libraries in Developing countries and discuss about the nature of libraries in this digital age, and mainly the impact of Green IT in Library Digitisation.

Keywords: Information Seeking Behaviour / Models in Library Resources; ICT Environment & Services; Changing into Green Environment with Information Technology; Paperless Digital Form.

Introduction

The innovations in I.C.T have influenced Libraries serve better and adapt the changes. One of the major developments in the last ten years has been the introduction and spread of the electronic information sources. An academic Library is expected to provide materials for courses, research projects and institutional activity to satisfy the needs of the well-defined specialization clientele like faculty, students relationships, About this (1994) Mr. Boakye describes the document procurement methods and services in his Book. That is the changing IT environment, the Library can help paid resources sharing effectively by overcoming the traditional methods. He concentrates on the Authentication the transition from standalone computing to network environment planning. Library instruction programmes are important which meet the need of the students, The high light is to examine the impact on the users of IT, there have been efforts in the academic community

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to move from a paper based class room to paperless classroom. The internet has become emerging technology for information generation and service to users which make Green IT in Library digitisation is a successful method. Librarians should act as an epitome for sustainability by providing suitable and relevant information to green issues and concerns.

Objectives

In the Modern knowledgeable society, Libraries have a new role and there are various types of Library models. These are as follows;

Traditional Library as a memory Institution, Library as a learning and Research centre, Library as a cultural and communication centre.

Electronic Library, Digital Library.

Virtual Library as Library without wall.

To what extend has Green ICT been employed in Academy Libraries?

What are the factors militating against the application of ICT in Academy Libraries?

Do the staff of the Academy Library have the required knowledge and skills in using ICT resources?

Purpose of the study: This is to ascertain their pact of Green ICT on Academy Libraries and the High Lights

of the advantages of merit associated with the ICT on Academy Libraries.

To findout the efficient and effective is the use of Green ICT in Academy Libraries.

Review of Literature

Libraries should upgrade service by digitising their resources for online user. Today's advanced Information Technology is enabling Library to accomplish this immense task. This digital services should be accessible anyone regardless of time of location through digital communication devices. Automatically, paperless turn into Green, this would be possible when Libraries agree to expand their rilesbeyond the geographical boundaries by using sate of art technology. This is the important point because there is an increasing resource amount of Literature available for any Researcher on Library Resources service, Information seeking behaviour, the Impact of ICT environment. Internet is the main information Tool for all the age groups for information seeking in the ICT Environment. They study the purpose for which Information required the environment in which the user operate the users' skill in identifying the needed information channels and sources preferred fir getting Information. According to the students behaviour and success were also compared in Bilal (2002) study reveals that the use of search Engine and the level of research skills are directly proportional to their success. M-learning is considered the next generation of e-learning using mobile Technologies, students have the awareness such technology of the most impact of IT and role of

Libraries in the Digital Age. In addition to that the Libraries can offer special services. And Resources. Kumaretal (2010) present the shifting of Traditional Libraries to network infrastructure services, types of things, Blogs for Library. They speakon how blog can be used for extending the Library services and support to the dedicated users.

Research Methodology

Most researchers use digital finding to locate both digital and print based resources. Print finding aids are used by very few researchers, and those are mainly in the arts and humanities. This high light the need for Libraries to ensure that they provide online highquality for their holdings and that address cataloguing backlogs, present challenge to Libraries is seeking to provide effective services and equitable access to the numbers of such teams. Library have made significant efforts to optimise the visibility and usage of their archival or special collection material through digitisation programme which turn into Green.

Digital collections which brings Green concept useful for Library building collections and this is a major issue for Library with this come to a question of how best to do it. Scholar's communications cantos and Library roles in supporting new developments such as open access Researchers who find print or online access to other Libraries information resources Useful.

The Following Figure 1 Explains about this Point

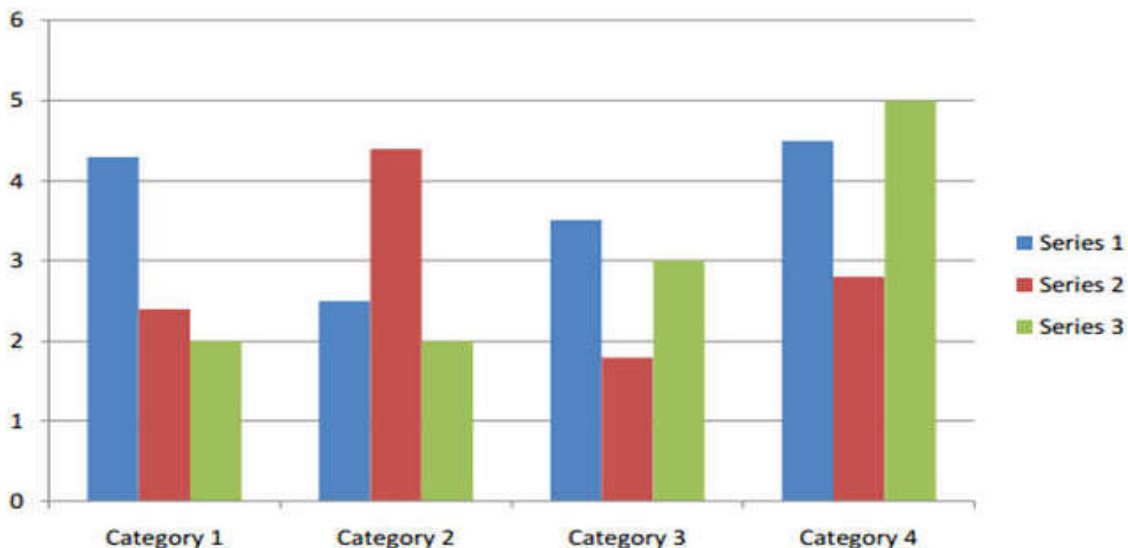


Fig. 1:

Table 1: Research objectives

| Librarians Competences | | SA | | A | | SD | | D | |
|------------------------|---|----|----|----|----|----|----|---|---|
| | | F | % | F | % | F | % | F | % |
| 1 | Librarians possess digital skills/competence | 20 | 23 | 47 | 54 | 14 | 16 | 6 | 7 |
| 2 | ICT facilities are available in librarians working environment | 30 | 34 | 50 | 58 | 5 | 6 | 2 | 2 |
| 3 | Librarians have access to digital/internet services | 25 | 29 | 55 | 63 | 3 | 3 | 4 | 5 |
| 4 | Librarians provide digital information services | 42 | 48 | 40 | 46 | 1 | 1 | 5 | 5 |
| 5 | There are challenges working in ICT environment | 46 | 53 | 35 | 40 | 2 | 2 | 4 | 5 |
| 6 | Efforts being made to reduce or deal with identified challenges | 32 | 37 | 47 | 54 | 5 | 6 | 3 | 3 |

KEYS: SA = Strongly Agree, A = Agree, SD = Strongly Disagree, D = Disagree % = Percentage, F = Frequency

Libraries must consider very carefully in the light of these developments and the configuration of their space and services for researchers particularly in terms of opening hours and the provision of facilities and closing hours for quiet individual study with the Green Environment which give as the pleasant carbon free circumstances.

Results

Green collections Development creative Librarians can have an enormous influence on how the patrons see their information gathering and their knowledge of global issues to bear on their considerations of the environmental impacts of the resources types of they choose for their collections. Covering materials and adhesives are in most cases, and as started in regards to the environment, a very friendly product. The electronic front, some progress is being made as well as Google development gadget for Google Desktop that instructs a computer to adjust user's power setting to the U.S Environmental protection agencies recommendations.

Finding and Suggestions

- Consolidating servers in large institutions using Virtualizations so that multiple patrons can share a single machines computing power.
- Managing equipment replacement cycles carefully and having older computers repaired.
- Finding reputable, recycles of e
- waste. Companies who are purported to be recycling may be listed.
- Today's advanced Method of Green ICT is enabling Libraries to accomplish this immense task by digitising their resources for online users.

These services should be accessible to anyone regardless of time and locations through digital communication devices. Automatically,

paperless turn into Green. This would be possible when libraries agree to expand their roles beyond the geographical boundaries by using the state of Art technologies.

For this the Following are the Green Information Technology Initiatives

- Device standardisation
- Device Consideration
- Server Virtualization
- Be Energy smart
- Telecomputing as end user satisfaction
- Monitor and PC management
- Green Computing
- Reality check of IT infrastructure
- Reduce Air travel by utilisation Video/ Teleconference.
- Reducing overall paper use when the paper is necessary, using recycled chlorine free, (FSC certified paper).
- Remove active screen servers switch monitors to enter sleep mode after 5 minutes in activity and Reduce cooling in the data centres to appropriate level and increase the ambient Room Temperature.
- Employes shutdown Desktops at the end of the workdays.
- Deploy power management to deliver automated power off to desktop. left on at 9 p.m on workdays. Require all substantial systems software revisions to include assessment of environmental impact.

Conclusion

Libraries are an asset to the future of our society. Libraries are discovering that Green building gives them a great opportunity to educate citizens. Libraries

professional should adopt the strategies to promote green marketing and pave to make green products more ecological and viable and economical viable in Academy Libraries.

They can conduct special Events and Prospects.

Environmental Agencies are actively involved or the Government will help the Academy Libraries with funding for Green projects and Renovations.

Start paper Drive, Ask the public students to bring old newspapers and other papers to Recycle.

Hold Recycling contests between grades, individuals and against other Libraries. Put up a Displays about reducing your carbon foot print.

Invite Special speakers to educate your patrons by inviting Professionals who work for environmental causes to give presentation. Start an arts and craft even show patrons the cool items can be made from recycled items, including recycled books. Sponsor an essay contest for kids to write an environment issue they know about the Green.

Traditionally, deselection in Library has involved removing out dated or worn monographs and on occasion serials from collection, finding information in the Library literature that conducts a head to head comparison of the environmental impact of print versus electronic resources is difficult. Academic Library wish to build their green resources including reference works, serials, books, DVD and websites.

Library have long been icons of sustainability. Traditions within the Library make it ideally suited to embarrass a newer increasingly urgent to call for sustainability environmentally Green Collections. In evaluating the environmental impact of monograph of electronic resources it becomes clear that books are ultimately more earth Friendly. Given all these creative greening efforts, it is only the natural to take a close look at collection development practice that are in placed by or can be closely adopted by Green practices in Academic Libraries.

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