INFLUENCE OF GRID CREATION ON LIBRARY USERS AND PURPOSE OF USING INTERNET: A SURVEY ON TECHNICAL LIBRARIES IN RAJASTHAN

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Abstract

The study analyzed the use of Internet services by the users of Technical libraries in Rajasthan. A total of 100 well-structured questionnaires were distributed among Technical library users. The present study demonstrates and elaborates the various aspects of Internet usage, sources of getting information about Internet Web sites, problems faced by the users in surfing the Internet, Effect of Internet on Library Users and Purpose of using Internet, Today the internet has revolutionized the traditional library activities viz document acquisition, technical processing, circulation, reference service, resource sharing, document delivery, etc. The paper attempts to understand and evaluate the use of the Internet as an information source by libraries of Technical Colleges in Rajasthan, India and aims to determine the utilization of Internet in library activities and services, The Internet has been described as the gateway to a world of seemingly inexhaustible information resources and a valuable information tool to the library and information centers that supplements existing library resources.

Introduction

Moderately low-cost digital Literacies Resource Development is omnipresent in daily life and work. The Network is a vast source of information, communication, and connection opportunities available to anyone with an Internet connection. Most professionals and many students have a mobile device in their pockets with more computing power than early supercomputers.

Educators today can leverage these technologies to develop engaging and powerful learning experiences for their scholars and to provide professional tools, interactive content, and increasingly targeted feedback.

The internet plays vital role in this digital library environment. Library has become possible because of the technological advancement and changing Environment is the needs of the users. Technology has dominated all ranges of library activity and the libraries are not an exception one. The new storage media have looked after the creation of storage devices like microforms, magnetic tapes compact discs etc have found their places in modern libraries and are playing vital role in storage and dissemination of information. In fact the library profession is one that has been most intensely affected by the challenges of internet and the World Wide Web (WWW).

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The technical library is one of the best supports for assembling and organizing knowledge for effective use, and for providing the services and library facilities to encourage it. The library exists no unprejudiced to help the instructional roles of the library. It does also a good job in therefore, performs a variety of functions, with helping the students by providing text books, reference books or periodicals, and other materials by providing a large number of bibliographical tools which are up-to-date it's all has been done with the maintain of an efficient reference and information service including e-resources. This study is intended to know the use of library resources and services. Information requirement of the readers, to the technical library is one of the best agencies for collecting and organizing knowledge for effective use.

The advancement on field of networking and communication has gifted the main kinds with the internet its other technology due to which in a second computer gate to get in touch h millions of users. It is one of the facilities through which the information can be stored, arranged, and transmitted back to the users quickly, in a timely fashion, and accurately. There are millions. Web pages, bibliographical databases, and full-text databases available on the Internet.

The depth and significance of the revolution in information and communication technologies (ICTs) is broadly acknowledged, although vigorous debates continue about its driving forces and social implications so In the field of library and information science, the Internet has become one of the most popular and talked about subject.

Definitions

"Two or more libraries engaged in a common pattern of information exchange, through communications for some functional purpose".

"A set of inter-related information systems associated with communication facilities, which are cooperating through more or less formal agreements in order to implement information handling operations to offer better services to the users".

"A library network is broadly described as a group of libraries coming together with some agreement of understanding to help each other with a view to satisfying the information needs of their clientele".

Purpose of this Study

Various people in the education community have different perspectives and needs, but all share an interest in understanding how to use digital learning systems, the data they generate, information, and evidence to address specific challenges in the education system. The opportunities digital learning resources create and the data they produce have important implications for each LIS group.

Objectives

• To improve the efficiency of housekeeping operations

• To promote and support adoption of standards in library operations.

• To promote institutions to provide online information services

• To coordinate with other College networks for exchange of information and documents

• To improve the efficiency of existing ones

Methodology

The collection is a large quantity of data from the entire population of Internet users of Technical libraries. The sample was selected by using a stratified sampling method, given the representation of technological libraries. A well-structured questionnaire was prepared to elicit qualitative information. The study covers the Technical library users in Rajasthan. A total of 100 questionnaires were distributed. The questionnaires were checked, and 75 questionnaire were received online, the remaining questionnaire were through the registered post or through other modes of transportation and some data have been collected from annual reports, brochures, syllabi, advertisements of Rajasthan. The time period studied was 2011 to 2012.

Impact of Internet on Library and Information Services

There is a continuing evolution of the roles and functions of libraries and librarians, which appears to parallel the growth of acceptance and use of the Internet by library professionals. The innovative use of Internet technologies enable us to reach both local and distant users much more easily and effectively than hither to possible.

The librarians will thus need to change their attitude towards collection development, as the technology advances in future; it will encourage access to document rather than

ownership. In future, virtual libraries may replace traditional libraries which mean there would be purchase of access to information rather than the source.

The following listing will give an idea of which various functions of libraries may take advantage from Internet and Web technologies.

Acquisition

- Most of the publishers and booksellers have their web sites on the internet and place their regular catalogue and leaflets of new publications. Some of the publishers of primary journals like American Chemical Society, IEEE (USA), Elsevier Science publishers; ASTM, ASCE and DELNET are providing their journals and Books online.

- Reminders and price verification

- Ordering and Billing

- Bookshops are online

Classification

- Online: DDC Scheme

- DELNET provides the database of books with readymade Classification

- Search Engine Google: helps to make Class Numbers

Cataloguing

- Online catalogues

- Web OPAC

- World catalogue (OCLC)

Circulation

- Easy process for borrowing and receiving

- Inter-Library Loan (ILL): Transparent electronic transmission of requests and messages through the Internet.

- OPAC Search

- Check status of the users

- Send reminders to the users

- Requests of the users

- The electronic documents required by the readers can also be supplied on demand through the network.

Services

- Reference Service

- CAS (Current Awareness Service)

- SDI (Selective Dissemination of Information)

- Document Delivery Service

- ILL (Inter-Library Loan)

- OPAC

- Database access

Resource Sharing

- Union Catalogue: Access, downloading

- Access to database through Internet

  - OCLC

  - Full text access of the journals

Data Analysis

The present study was conducted on the use of Internet services by the users of Technical libraries in Rajasthan. The collected data are organized and tabulated by using statistical methods and percentages.
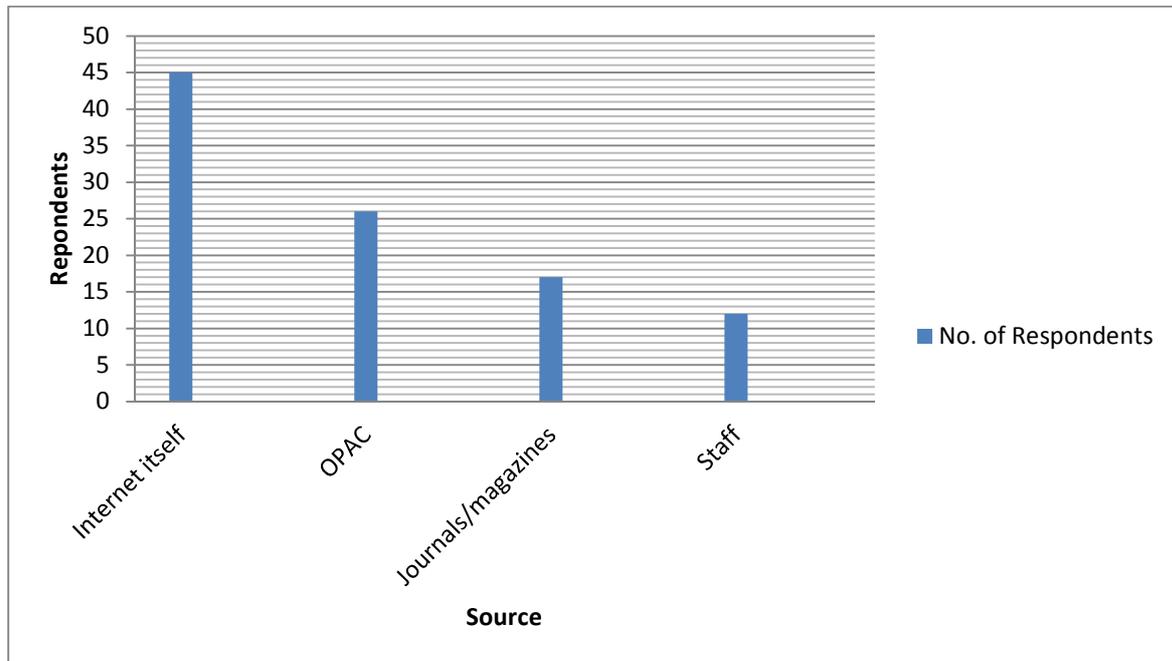
Getting Information about Libraries from Internet Web Sites

Present data depicts that a large number of users likes to access the Internet itself rather than to access Web Sites related to the Libraries. It is observed that out of 100 Respondents about 45 respondents visit Internet itself.

Table 1Getting Information about Libraries from Internet Web Sites

Sr. No.	Source	No. of Respondents
1	Internet itself	45
2	OPAC	26
3	Journals/magazines	17
4	Staff	12
	Total	100

Figure 1: Getting Information about Libraries from Internet Web Sites
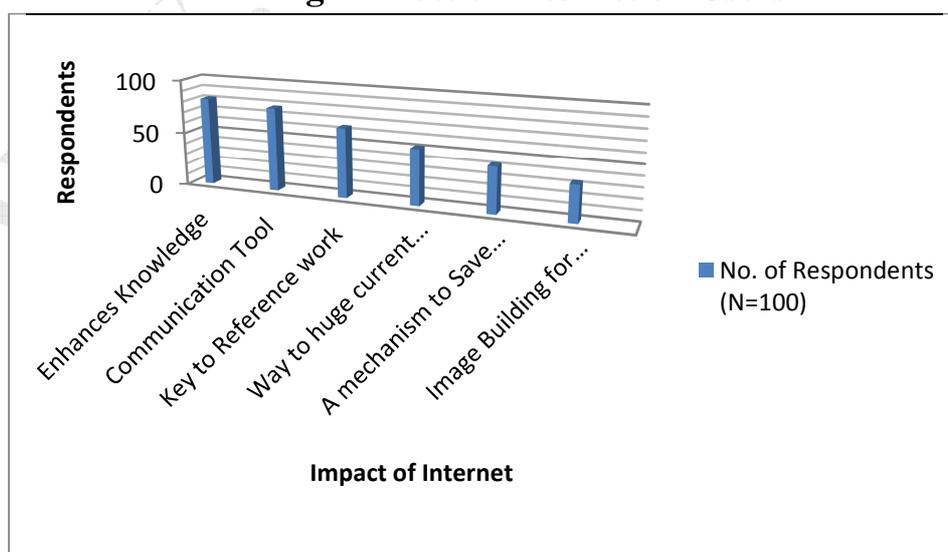
Effect of Internet on Users'

The study investigates the users' perceptions of the importance of Internet in Libraries.

Out of 100users82 users felt that Internet Enhances Knowledge, Similarly 78 users felt that it

is a Communication Tool, 65 felt that it is a key to reference work

Table 2 Effect of Internet on Users'

Sr. No.	Effect of Internet	No. of Respondents (N=100)
1	Enhances Knowledge	82
2	Communication Tool	78
3	Key to Reference work	65
4	Way to huge current information	52
5	A mechanism to Save Time	43
6	Image Building for Libraries	34

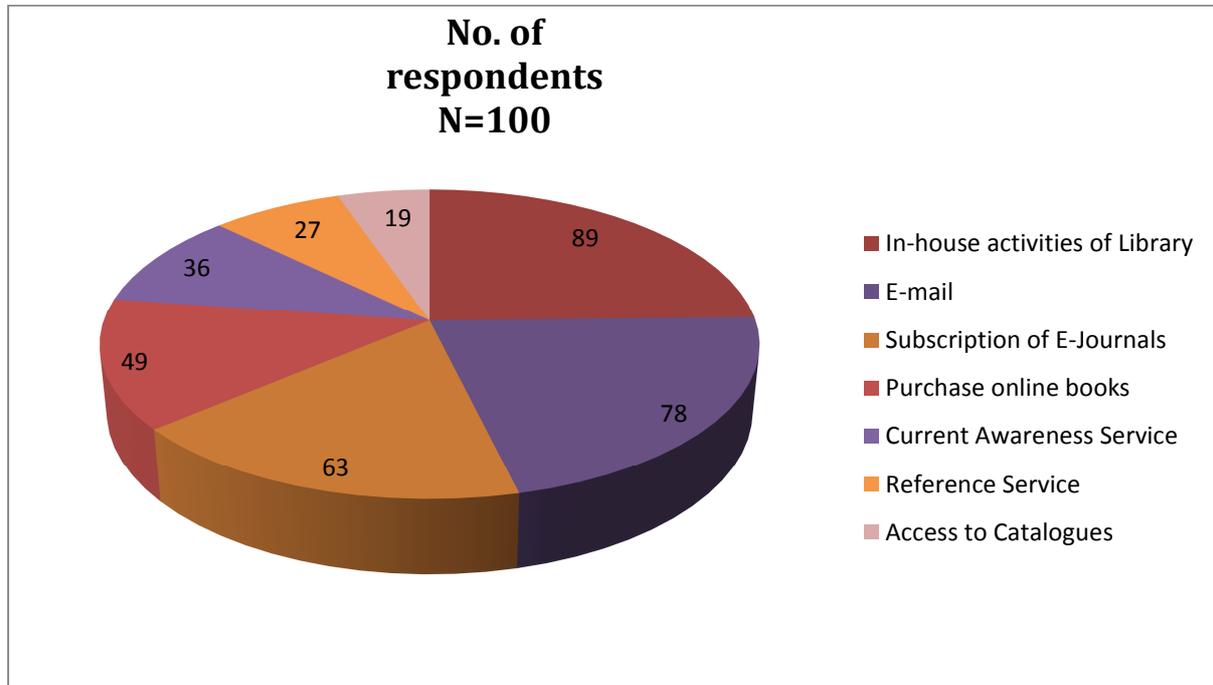## Fig 2 Effect of Internet on Users'

Purpose of Using Internet by Library Users

Internet is used for performing various Library activities which includes subscription of e-journals, downloading files, purchase online books, Current Awareness service, E-mail, classification and cataloguing. The study depicts that highest number of users felt that the purpose of Internet in Libraries is basically for In-House activities of Library.

Table 3 Purpose of Using Internet by Library Users

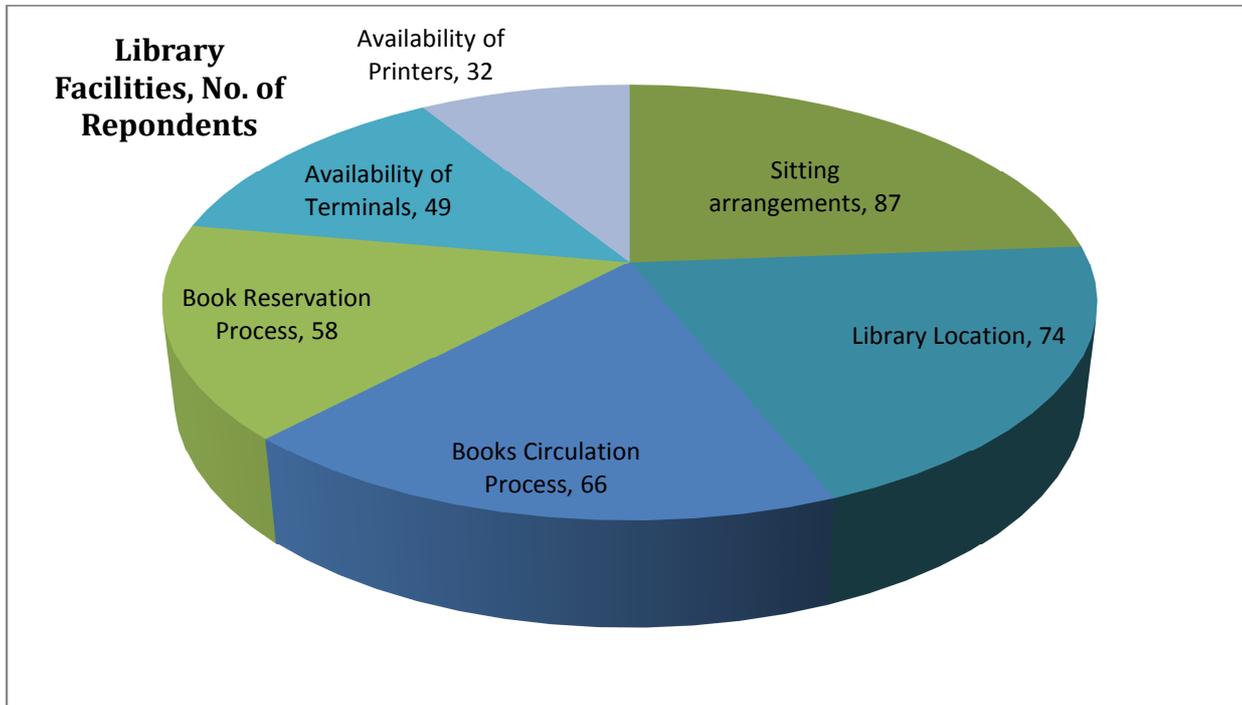| Sr. No.	Purpose	No. of Respondents (N=100)
1	In-house activities of Library	89
2	E-mail	78
3	Subscription of E-Journals	63
4	Purchase online books	49
5	Current Awareness Service	36
6	Reference Service	27
7	Access to Catalogues	19

Fig 3 Purpose of Using Internet by Library Users

Users Satisfaction with Various Facilities

The study shows that 87 number of users satisfied with the sitting arrangements of Libraries,74 users felt that location of Library are good, 66 users felt that the book circulation process is better than the books reservation process, Similarly 49 users felt that availability of terminals in library are better than the availability of Printers in Libraries.

Table 4 Users Satisfaction with Various Facilities

Sr. No.	Library Facilities	No. of Respondents (N=100)
1	Sitting arrangements	87
2	Library Location	74
3	Books Circulation Process	66
4	Book Reservation Process	58
5	Availability of Terminals	49
6	Availability of Printers	32

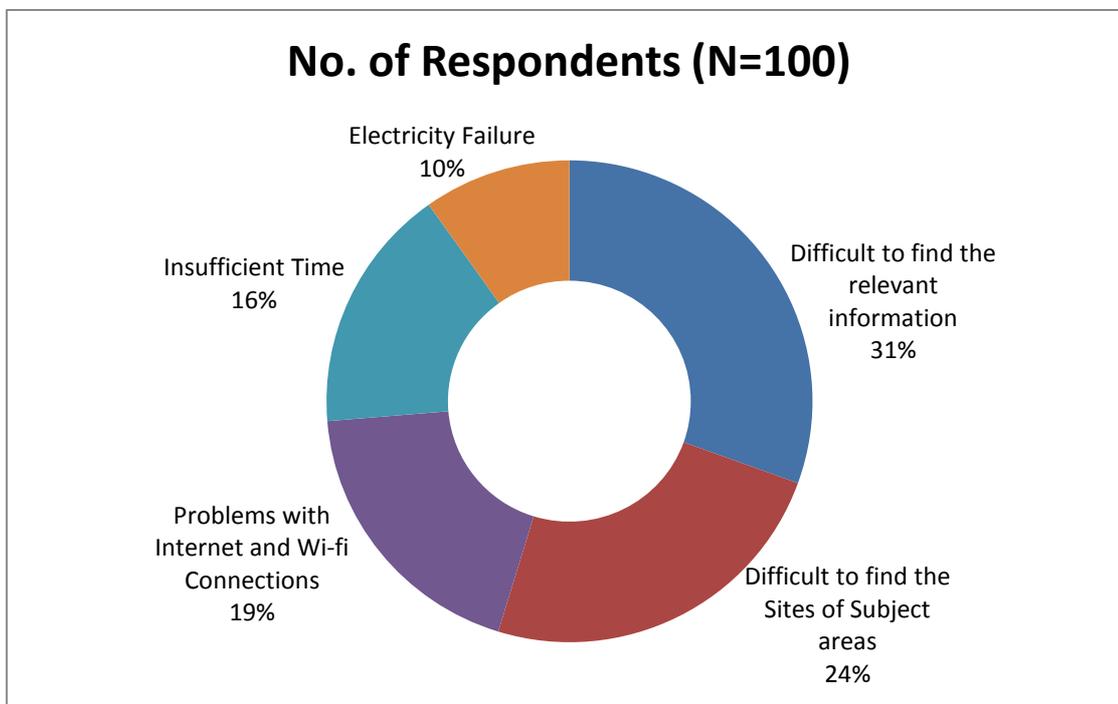## Fig 4 Users Satisfaction with Various Facilities

Problems faced by the users in surfing Internet from Library

The below table shows that 87 users felt difficulty in finding relevant information, 69 users felt difficulty to find the subject areas , 54 users were facing the problems of Internet and Wi-Fi connections, 47 users were facing the insufficient time for Internet surfing and 28 users felt that electricity problem is major problem during Internet Surfing.

Table 5 Problems faced by the users in surfing Internet from Library

Sr. No.	Problems	No. of Respondents (N=100)
1	Difficult to find the relevant information	87
2	Difficult to find the Sites of Subject areas	69
3	Problems with Internet and Wi-Fi Connections	54
4	Insufficient Time	47
5	Electricity Failure	28

Fig 5 Problems faced by the users in surfing Internet from Library

No. of Respondents (N=100)

- Electricity Failure 10%
- Insufficient Time 16%
- Problems with Internet and Wi-fi Connections 19%
- Difficult to find the relevant information 31%
- Difficult to find the Sites of Subject areas 24%

Conclusion

This study gives a snapshot of the use of Internet services by the users of Technical Institute libraries in Rajasthan (India) by surveying library users. This study evaluated only Technical Institute libraries in Rajasthan. However, even with this snapshot, it is clear that most of the library users use the Internet services to access information quickly. The present study indicates that a majority of users use the Internet as one of their sources of information. The present indicates that the Internet users of library facing some problems related to Electricity failure and connections of Wi-Fi and Internet. The pace with which the Internet is growing the world over is well known. Now, the doubling rate is less than 6 months. One of the major factors that have limited the expansion of the Internet in the

country is the poor infrastructure. We are yet to reap all the potentialities of the well-facilitated medium of access and communication on the Internet.

Use of the Internet and other network resources is changing the traditional library functions. Today, the Internet's modalities are changing or augmenting traditional functions of library profession such as the information transfer process and the perceived nature of information itself. The tremendous increase in online information sources made the searching difficult, where organizing skill is required for library and information professionals. Role of Libraries is also enhanced they will have to adapt to changing environment.

Libraries should be designing their own Web sites that serve as portals to interesting sites that have been viewed and annotated by Professional Librarians. The Internet brings a whole new dimension of competition that public, academic and special libraries are facing daily. Libraries must think about marketing of their services and resources to achieve goals. It is also about keeping users informed about library activities and involving them collection development. Librarians or Library Professionals will continue to play an important role as information professionals in modern era.

References

- Al-Hawamdeh,S.(2005).Designing an interdisciplinary graduate program in knowledge management. *Journal of American Society for Information Science and Technology*56(11): 1200-1206.

- AMUSA,O.I. and Adekunmisi, S.R. collection development practice in a Nigerian third generation university library. LIBRARY HERALD41 (1) March 2003 p38-49

- Branin,J.J. (2003).Knowledge management in academic libraries: building the knowledge bank at the Ohio State University.Retrieved01.06.2005,from https://kb.osu.edu/dspace/bitstream/1811/187/1/KBJAL.pdf

- Chaudhry,A.S.&S.Higgins, S. (2001). *Perspectives on education for knowledge management*.67thIFLACouncil and General Conference, IFLA.

- Hart, N. (2006). Libraries aren't about books –Libraries are about people. 2006, from http://www.smr-knowledge.com/eProfiles/e-Profile_06-15-06_Hart.pdf.

- JOURNAL OF LIBRARY AND INFORMATION SCIENCE 25(2) 2000 pl30

- Koenig, M.E.D.(2005).*KM moves beyond the organization: the opportunity for librarians*.WorldLibraryandInformationCongress:71thIFLAGeneralConference and Council Libraries–A voyage of discovery, Oslo, Norway, IFLA.

- Trishanjit Kaur. Development and growth of university libraries and their services in Punjab.

- S. Ranganadham and Dr. K.SurendraBabu (Jul-Sep, 2012)Awareness And Use Of Library Information ResourcesAnd Services In Osmania University, HyderabadInternational Journal of Library and Information StudiesVol.2(3), Jul-Sep, 2012

- Tiwari,Kiran and Suresh,Lata Rajasthan University Central Library: moving towards a better future. SOCIETY OF THE ADVANCEMENT OF LIBRARY AND INFORMATION SCIENCE (SALIS) JOURNAL OF INFORMATION MANAGEMENT AND TECHNOLOGY (ISSN 0975-4105), 2010