

A STUDY OF LIBSYS LIBRARY MANAGEMENT SOFTWARE USED IN SPECIAL LIBRARIES OF LUCKNOW: A USER SURVEY.

ANUBHAV SHAH

Research Scholar

Department of Library and Information Science
Babasaheb Bhimrao Ambedkar University

Dr. SHARAD KUMAR SONKAR

Asst. Professor

Department of Library and Information Science
Babasaheb Bhimrao Ambedkar University

ABSTRACT

LIBSYS is one of the vary highly demanded Library management software across the India and offers solution such as Library automated system, RFID, Digital Resource management system etc. This paper gives us the complete and comprehensive introduction of LIBSYS Library Management software. In this paper research try to evaluate the performance of Libsys library management software mainly concern with the modules (Circulation account, Cataloguing, OPAC and Serial account),and also gives us a rate of user satisfaction with Libsys Library management software overall.

Key Words: LIBSYS ,Library management software ,Software

INTRODUCTION

Software is a computer program for using computers and other such as hardware to their optimum capabilities. As computers do only what they are told to do and therefore, The instructions given to computer should be unambiguous. Writing steps by steps instructions without any ambiguity to solve a particular problem is called a programming. A software package can have one or more computer programming to solve a specific problem. A programming language provides a special type of grammar and syntax to the programmer to enable him to give instruction in a simple and understandable way.

CATEGORIES OF SOFTWARE

Computerization of Library and information services, involves non numeric data processing , text retrieval, manipulation of string of characters and information retrieval etc. Some general purpose software package can be used for these purpose and for specific needs, special purpose software are also available in the market.

The various categories of such software and their feature are;

- (a) Basic software for data entry, validation, sorting and merging of files and editing of data .
- (b) Word processing software to manipulate the text –storage , recall, use and modify alignment of margins , addition and deletion of string of characters, manipulate paragraphs etc.
- (c) Data base management systems (DBMS) for creation and management of database , file management systems , relational database management systems (RDBMS), network and hierarchical DBMS.

- (d) Text-Retrieval package for storage and retrieval of non numeric record (tabular or even graphics).These are self –contained software ,require minimum involvement of computer specialists records are independent of variable length for natural language text, have access to data by context inverted files access, user interface which makes them simple and easy to use. Search and indexing facilities are other important features .
- (e) Software associated with searching online retrieval system and CD-ROM database .major online system have their own software usually written in command language, provide access to external database , private and personal file facility, and permit editing of search files on micros.
- (f) Library Housekeeping Software: These have provision for acquisition , cataloguing , circulation control, serial control and statical report generation.

Library automation software or computer based information storage and retrieval systems cover two major functional areas, namely (1) control and management of library resources, and (2) access to document and information .these two areas deal with library housekeeping systems and text retrieval systems respectively.

Library automation software packages can also be grouped in four categories:

- (A) Word Processing.
- (B) Library housekeeping operations.
- (C) Management communication and support
- (D) Text retrivel.

INTRODUCTION OF LIBSYS LIBRARY MANAGEMENT SOFTWARE.

LIBSYS, a New Delhi based software company, is engaged in providing software solution since 1984. Continuous growth for last 26 year, has made LIBSYS the most trusted brand for libraries in India. Its wide acceptance in market strengthens its population as the most field proven library system with unmatched depth in functionality and features. We take pride in being the pioneer and market leader for library automations in India.

The company has its headquarters in Gurgaon and extends its reach nationwide with regional commercial office in Kolkata and Bangalore. Backed by our strong quality process and rich experience in managing clients across various domains, we strive for continuous innovations in our offerings, that ensures satisfaction for both staff and patrons.

LIBSYS team is highly knowledgeable, experienced , committed and believes in complementing our robust products with reliable service and support. Our passion for continuous growth is reflected in R&D effort which have lead to the incorporation of latest technology features and globally accepted standards from time to time.

Products:

Library simplified

- LSEase – an affordable library management system.
- LIBSYS 7 – A complete web centric library management system.
- LSPremia – Library management system for multi location deployment
- LSDigital – Comprehensive Digital Resource management system.

- LSMart—LSMart based on RFID, EM and hybrid technology , taking about automated and security in Libraries .
- LSAcadmia—It is a complete ERP solution to manage an Academic Campus be it a school ,collage or institution.
- LSd&A—Is a latest endeavor to design libraries giving each library a unique identification.

HIGHLIGHTS OF LIBSYS

Libsys is complete, comprehensive library system that manage all aspect of all kind of libraries (Public, National, higher Education and Research library) Libsys modules include cataloguing , Circulation , Serial Control, Acquisition, Web OPAC, Inventory management and System management.

Libsys is fully integrated Information management system which uses a shared database eliminating the need for redundant data entry.

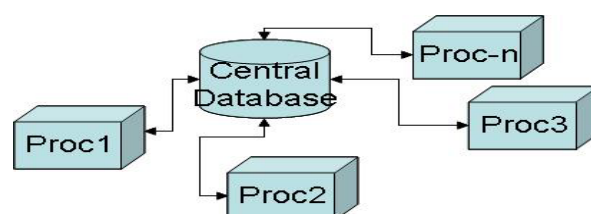
Transaction take place in real time, which ensure that whatever information is displayed is accurate and up to date . It runs all modules concurrently and allows the user to move quickly and easily between modules .

General Features:

- A Multi-tier Client /Server architecture relying on a database Microsoft Server 2000.
- Scalable and Customizable
- Graphical User Interface (GUI)
- Web enable
- Adherence to International standards (MARC,Z39.5,EDI,Unicode,etc.)
- Multi- lingual Support (Arabic, English, and others 3 language) with multidirectional
- Libsys comes complete with integrated image storage and retrieval capabilities, and the ability to make link to other type ,such as word , Excel or PDF files, from within a catalogue record.
- Including archive management and cataloguing function
- Easy and powerful Application administration.

Centralized Database:

LIBSYS.NET could have many libraries or information centre shared in the same Database. Which could every library has an own records. In the same way also it could be on library and its own branches.



System Functions:

The System include the following core modules :

- **System security and administration module:** The admin module provides a comprehensive management tool for system administration to control the system security and user tracking.
- **Acquisition Module:** Acquisition system is reliable and support library staff managing the processes involved with collection development, freeing staff repetitive data entry tasks by linking related acquisition data together.
Library acquisition is interactive with the Serial Control, Cataloguing and Public access catalogue modules to process orders and to view serial copy information.

The Function Include:

- Creation of new purchase orders.
- Enhanced management procedure.
- Purchase request loader.
- Manual entry and automated entry.
- Locate purchase orders (PO) includes PO number, title, supplier, location, and description.
- Locate purchase request (PR) includes PR status, title, source, and date.
- Automatic item and account distribution.
- Automatic invoicing, vouchering, and receipt tracking.
- Tracking of PO status.
- Automatic and manually created potential requirements.
- Easy book listing and emailing.
- End of year accounting.
- Statistical report.
- Audit trail.
- Auto track funds.
- Orders.
- Claims.
- Cancellation.
- Skeleton catalogue
- Record created.
- Acquisition includes functions for claiming, receiving and invoicing, vendor file.
- Maintenance, cancellation, auto fund tracking and desiderata (wish-list) files.
- **Cataloguing Module:** Cataloguing provide clients with total control over data with the greatest amount of flexibility offered in N-tier system.Cataloguing operation is efficient with very strong support for the Bibliographic database.i.e.
- Bibliographical record maintenance
- MARC editing “Unicode”
- Item maintenance
- Authority control.

The Function include:

- Libsys makes cataloguing easy using authority files that can be browsed and update during accessing.
- Automatic authority record validation.
- Support “stopped words” Arabic/English list, defining which words to ignore when automatically generate keywords.
- Allows Images.
- Using the barcode number to add copy information of the same title, and automatically assign barcodes to the copy.
- Binding management
- Data conversion with data checks.
- Data entry.
- Modification.
- Bibliographic.
- Full authority control.
- Corporate name.
- Series
- Shelf list.
- Country.
- Multi lingual user catalogue.
- Thesaurus.
- Close monitoring with clear reporting of the whole process of data migration.
- Easy “ Editing / Modify Record”
- Track record ownership.
- Delivers Unicode compliance.
- Multi media cataloguing
- Cross reference.
- Prints spine label.
- Prints bar code label.

Circulation Module: Circulation and borrower information system manages both users & users services including creation and editing of user records, production of user notices, parameter setting and borrower analysis. Circulation system enables close tracking and managing of the library materials and borrowers. Procedures includes basic issue and returns, renewals and borrowers, temporary or fast add issue, borrower’s block and notes, making the function include but not limited to the following features.

Use of barcodes:

Barcode are used normally for books, patrons and circulation system. Almost all circulation functions can be carried out without touching the computer keyboard.

Patron profile:

- ✓ Enhance security by displaying patron picture on the check-out screen.
- ✓ Print patron barcodes, names on the standard card stok.

Full support of all circulation functions, including:

- ✓ Check out.
- ✓ Check-in.
- ✓ Renewals.
- ✓ Patron reservations.
- ✓ Holds.
- ✓ Recall.
- ✓ Lost and claimed-return processing.
- ✓ Fines.
- ✓ Overdue notices.
- ✓ Flexible loan parameters.
- ✓ E-mail, Mobile SMS notification system
- ✓ Reserve room.
- ✓ Material reservation: reservation enables library staff and patron to reserve any library material. Patron can search for items of interest, check availability, and the schedule to future use.
- ✓ Full integration with OPAC.
- ✓ Self-service reservation via the web OPAC.
- ✓ Allow multiple items to be easily reserved at once.

Full integration with the OPAC including:

- Display of current circulation status updates in real-time.
- Patron self-service features
- Ability to view own patron record.
- Ability to view own check-in, check-out, fine, reservation, holding.
- Ability to renew own checked-out items.
- Ability to place and cancel holds and reservations.

Serials management & Control Modules: Library serials system is closely linked to the acquisition subsystem to ease task such as ordering and recording invoiced charges. Serials maintenance becomes a by-product of a quick, two-step check in process. Special handling, routing, labels, printing, and other instruction are integrated in to the check in workflow. Serial is designed to accommodate even the most complex publication patterns and lets staff members establish prediction patterns and process issues.

Journals should be also catalogued in the same database and a single screen provides for checking in newly received issues, routing them or for claiming from suppliers when they are late/overdue. A batch modification process enables you to add or remove individuals from routing slips quickly and easily.

The Functions includes:

- ✓ Subscription control.
- ✓ Track orders.
- ✓ Inventory of existing serials.
- ✓ Import & Export publication patterns to save time and money.

- ✓ Fast issue receipt.
- ✓ Holding summary.
- ✓ Circulation lists.
- ✓ Abstracting.
- ✓ Check-in.
- ✓ Routing.
- ✓ Notation & frequency.
- ✓ Claiming.
- ✓ Circulation & weeding.
- ✓ Integration with funds & accounts.

OPAC and Web OPAC Module: The OPAC options offer intelligent search technique to meet the requirement of the wide range of clients using the library system with different experience and different needs. OPAC features meet the needs of both inexperienced users and library professionals to enable exact searching.

The system support web-based OPAC with easy and powerful searching, sorting and filtering capabilities insides the contents of the library. It provides both basic and advanced search options. It also support a Z39.50 clients for broadcast searching, Each screen template can be customized using the built-in wizard or graphical HTML editing tool, such as Microsoft's front page.

Searches of a library's catalogue are seamlessly integrated with other library resources available on web browser.

Filed are indexed to includes both Word and term indexing, word , keyword , and phrase searching is very quickly and easy on any field in the database. The system support other search options including Boolean search operators (AND, OR, NOT) , proximity searches and wide card truncation.

Users are able to place reservations and access their own borrower information.

The following feature are:

- ✓ Implicit Boolean operations.
- ✓ Intelligent key word searching.
- ✓ Searching for variant endings.
- ✓ Relevance ranking of search results
- ✓ Wild card truncation (Left and Right)
- ✓ Multimedia OPAC.
- ✓ Integration of local and global resources.
- ✓ Integrated document requesting.
- ✓ Save search.
- ✓ Filtering/sorting information.
- ✓ Booklist that can be created and E-mailed.
- ✓ Capability to pre formulates searches and stores them in HTML.
- ✓ Option for basic & advanced search.
- ✓ Simplified and experience modes.
- ✓ Proximity searching.
- ✓ Predefine and user-defined reporting.

Accounting:

- ✓ Order tracking.
- ✓ Claims & cancellations.
- ✓ Invoicing.
- ✓ Supplier authorities.
- ✓ Fund and spending control.
- ✓ Security control.
- ✓ Foreign currency.
- ✓ Budget monitoring.
- ✓ Generating payment requests.

Reporting & Report Generating:

The system pre define reports that are easy to modify and amend to enable the Librarian/Users to create any format they desire for laying out information on paper. The system has a number of different report formats and layouts to have complete access to all the information entered into the system. For fast request users are able to customize an existing report to meet their specific requirements. With minimal effort, the system allow creating professional bibliographies, current awareness bulletins, routing slips, and subject lists, journal lists etc.

MARC Exchange: A MARC exchange modules gives you the facility to import data from external sources in ASCII format. This means that you can save data entry time by exchanging records from other sources. You can easily perform global changes and validation checks on records from a MARC cataloguing source such as “Books in Print”.

Image & Content management: Image & content management is a complete solution for storage and integrated access to image.

Objective of the study: Objective are the most important part of the study on which whole study is based. On the basis of the objectives researcher conduct the study. Objective of the study are as follows.

- ✓ To find out the area of automation in specials libraries of luck now.
- ✓ To indentify the reasons for selection of Libsys library management software .
- ✓ To identify the modules (OPAC, Circulation control, Cataloguing, Serials and Acquisition) are working effectively with Libsys library management software.
- ✓ It is cost effective software find out.
- ✓ Find out the overall rate user satisfaction with Libsys library management software.

Scope: The term “ scope” refers to the limitation or extent of the study. It mainly involves the coverage are of the study or in simple words example taken for the study.

Today many library automation software packages are available in Indian market. Besides the availability of indigenously designed and developed software, a number of foreign software packages are also available. Among the indigenously developed library software, Libsys is still on the top with more than one thousand installations. Present study evaluates the performance of LIBSYS library management software use in special libraries of Lucknow.

The scope of the study is confined to special libraries of Lucknow. The special libraries are;

- ✓ Birbal Sahni Institute of Paleobotany (BSIP), Lucknow.
- ✓ Central Drug Research Institute (CDRI), Lucknow .
- ✓ Central Institute of Medical and Aromatic Plants (CIMAP), Lucknow.
- ✓ Giri Institute of Development Studies (GIDS), Lucknow.
- ✓ Hindustan Aeronautics Limited (HAL), Lucknow.
- ✓ Indian Institute of Management (IIM), Lucknow.
- ✓ Indian Institute of Sugarcane Research (IISCR), Lucknow.
- ✓ Industrial Toxicology Research Centre (ITRC), Lucknow.
- ✓ King George's Medical University (KGMU), Lucknow .
- ✓ National Botanical Research Institute (NBRI), Lucknow.

Methods: the methodology chosen for conducting the study of special libraries survey, questionnaire method and literature search as detailed below.

Survey: a survey is a data collection tool used together information about individual . a survey may focus on factual information about individual or it might aim to collect the opinions of the survey takes.

The survey is a non-experimental , descriptive research method. Survey can be useful when a researcher want to collect data on phenomena that cannot be directly observed. In a survey researcher's sample is a population.

Questionnaire: it is a research instrument consisting of a series of question and other prompts for the purpose of gathering information from respondents.

Literature search: Literature search is a systematic search and exhaustive search for published material on a specific topic. It is a search of traditional as well as Modern sources including books , periodicals, indexes, yearbooks, encyclopaedia, online source such as web site hosting ,online journals, online news, online repository, etc.

Analysis of data: Analysis of data collected from various methods but i have collected data by questionnaire methods. Data collected from the questionnaire were analyzed using frequency count and simple percentage. To interpret data various table and graphs are used.

Table 1.1
Details of questionnaire distributed.

Name of Library	No. Of Questionnaire distributed	No. Of Questionnaire received
BSIP	1	1
CDRI	1	1
CIMAP	1	1
GIDS	1	0
HAL	1	0
IIM	1	1
IISCR	1	1

ITRC	1	1
KGMU	1	1
NBRI	1	1
TOTAL	10	8

The above table shows the distribution of questionnaire to the librarians of the special libraries of Lucknow. In all ten questionnaires have been distributed out of which eight responded to it. The above table shows that 80% complete responses from librarians of special libraries of Lucknow.

Table 1.2

Type of Library Access

Name of Library	Open Access	Close Access
BSIP	Y	N
CDRI	Y	N
CIMAP	Y	N
IIM	Y	N
IISCR	Y	N
ITRC	Y	N
KGMU	Y	N
NBRI	Y	N

Table 1.2 reveals that in the sample size of 8, (100%) complete response by the librarians of special libraries of Lucknow. Table 1.2 shows that all of special libraries in Lucknow are open access libraries.

Table 1.3

Installation of Libsys library management software

Installation	Percentage	Frequency
With extreme difficulty	0	0
With some difficulty	62.5	5
Neither smoothly nor with difficulty	12.5	1
Some what smoothly	0	0
Extremely smoothly	25	2
Don't know/no answer	0	0
Total	100	8

Table 1.3 shows the installation of Libsys library management software (The process of installation includes configuration of library software catalogue format and circulation policies, and migration or data entry of catalogue and user account.) Find with some difficulty (62.5%) according to user survey.

And only 25% user are satisfied with extremely smoothly installation of Libsys library management software.

12.5% user are find neither smoothly nor with difficulty in the process of installation of Libsys library management software.

Table 1.4
Functions are Automated

Function	Frequency	Percentage
Acquisition	8	100
Cataloguing	8	100
Circulation control	8	100
Serials control	8	100
Management Information	8	100
Inter library loan	1	12.5
OPAC	8	100
Total	49	

Table 1.4 shows the following function /activities are automated in special libraries of Lucknow. According to the user survey 8,(100%) Libraries are using (Acquisition & budget, Cataloguing, Circulation control, Serials control, OPAC.) module in LIBSYS library management software. Only 1(12.5%) special libraries of Lucknow using Inter library loan facility with Libsys library management software.

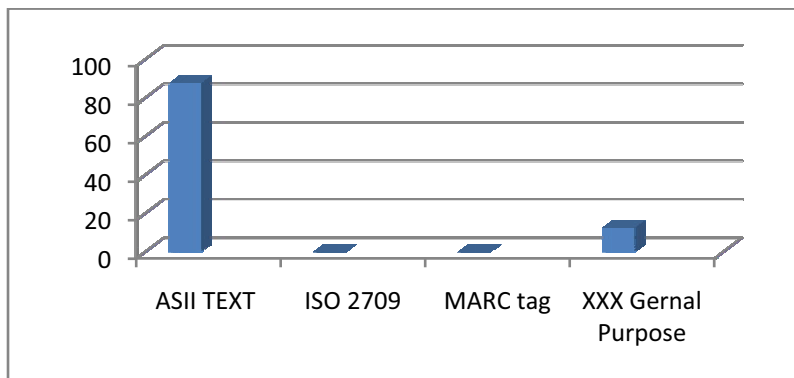
Table 1.5

Top 5 Reasons for selection of Libsys library management software.

Reasons	Frequency	Percentage
Security	7	87.5
Combination with other incentive	0	0
Desirable feature	7	87.5
Trust brand name	5	62.5
Good technical support	7	87.5
Portable	3	37.5
Ease to use	5	62.5
Customization	2	25
Affordable price	4	50
Scalability	0	0
Don't know/ no answer	0	0
Other	0	0
	Total -8	

Table 1.5 Give the top 5 reasons for the selection of Libsys library management software is 1- Security 2-Desirable feature 3- Good technical support, 4-Trust brand name, 5- Ease to use.

Graph 1.1
Bibliographic record format



(g) Software associated with searching online retrieval system and CD-ROM database .major online system have their own software usually written in command language, provide access to external database , private and personal file facility, and permit editing of search files on micros.

Graph 1.1 -- According to user survey i find out that 7,(87.5%) of special library in Lucknow prefer the ASII TEXT bibliography format for retrieving bibliographic record to the local user’s personal computer

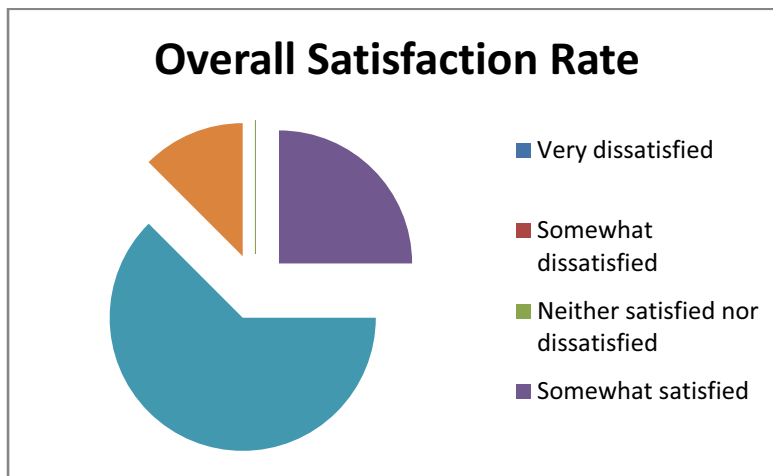
Table 1.6
Rate of Ease to use with software modules

Modules	Very hard to use	Somewhat hard to use	Neither easy nor hard	Somewhat ease to use	Very ease to use	Don’t know/n o answer	Total
OPAC	0	0	0	0	87.5%	12.5%	100%
Circulation account	0	0	25%	12.5%	50%	12.5%	100%
Cataloguing	0	0	25%	50%	12.5%	12.5%	100%
Serials	0	0	0	25%	62.5%	12.5%	100%
Acquisition	37.5%	12.5%	12.5%	25%	12.5%	12.5%	100%

Table 1.6 shows that 87.5% libraries are rating the ease to use of the OPAC module of LIBSYS library management software . 50% of libraries are rating the use of the circulation account of LIBSYS library management software.62.5% of libraries are also in favour to ease of use with serial module of libsys software. 50% of libraries are rating to somewhat ease to use with cataloguing module of libsys software. And only 37.5% are finding very hard to use with Acquisition module of Libsys library management software.

Graph 1.2

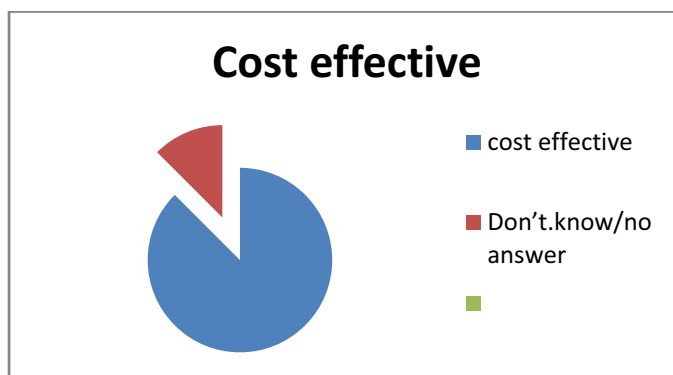
Overall Satisfaction rate with Libsys Library management software.



Graph 1.2 shows that 62.5% libraries are very satisfied with Libsys library management software overall.

Graph 1.3

Libsys is cost effective software.



Graph 1.3 shows that 87.5% libraries are prefer libsys library management software because it is cost effective library software.

CONCLUSION:

This article has attempted to evaluate the feature of Libsys library management software. And find out that it is fully cost effective software. Most of special libraries of Lucknow prefer it and fully satisfy with all of modules of Libsys software. And only 37.5% are finding very hard to use with Acquisition module of Libsys library management software. 87.5 % special libraries of Lucknow use ASII TEXT (Bibliographic record format) for downloading of retrieved bibliographic record to the local user's personal. Overall satisfaction rate of Libsys software is very good it is 62.5%. But also find out that 62.5% user are not fully satisfy with installation of Libsys library management software

REFERENCES

1. Mull and Chandrashekhar (2010). Integrated library software: a survey of engineering colleges libraries in Karnataka. *DESIDOC journal of library & Information Technology*, 33(3), 13-22.
2. Husain and Other's (2008). Library automation software packages in India: a study of cataloguing modules of Alice for windows, Libsys, virtue. *DESIDOC Journal of Library & Information Technology*, 28(6), 34-38.
3. Borang and Sarma (2008). Application of ICT in two major academic institution libraries in Arunachal Pradesh : a survey .6th *International CALIBER-2008*.
4. Harinarayna, S.N and Raghvana, S.K(2008).Retrieval capabilities of CDS/ISIS and LIBSYS: a compression. *Annals of Library and Information studies*, 55, 91-100.
5. Mitchall, E (2008).Using open source software as digital library interface. *D-Lib Magazine*, 14.
6. Shafique (2008). Integrated library software: a survey of Lahore. *Library Hi Tech News*, 25, 6-13.
7. Naki and Shivalingaiah (2006). Digital library open source software: a comparative study.4th *International Convention CALIBER-2006*.
8. Rajendra and Bhusn (2006). Automation library stock verification with barcode and libsys. *DESIDOC Bulletin of Information Technology*, 26,17-21.
9. Written and Others (2001) Open source digital library software's-Lib Magazine,7.
10. Yadogiri.(1997).Application of information technology in library service the central library.REC Warangal : a case study. *D-Lib Magazine*.
11. Chowdhury, G.C. & Chowdhury, Sudatta.(1994). Text retrieval and library management software in India. *NISSAT Newsletter*, 28(3).
12. Neelkanda and Others (1997).Implementation of automation library management system in the school of chemistry Bharathidasan University. *Lucknow Librarian*, 21-40.
13. Singh.(1997).Solution of library software for library automation : a critical study and evaluation. *Lucknow Librarian*, 29(1-4),33-5.
14. Sievertts, E.G.(et a) (1993).Software for information storage and retrieval tested, evaluated and compared. *The Electronic Library*,1 1(2), 73-91

Webilograhy

1. <http://www.libsys.co.in/>
2. <http://www.library.iimcalac.in/>
3. <http://www.drct.isibang.ac.in/>
4. <http://www.lislinkks.com/>
5. <http://www.en.wikipedia.org/>
6. <http://www.librarysoftwre.ac.in/>
7. <http://www.libsys.net/>
8. http://www.worldcat.org/title.library_software-review/
9. <http://www.google.com/k/gurpeet-singh/>

---@ @ @---