

A study of academic libraries automation system (ALAS) and E-library information services (ELIS)

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Abstract

This paper presents a study of academic library automation system (ALAS) and electronic library information services (ELIS) is the general term for information and communication technology (ICT) that are used to replace manual system in the academic library systems. This research paper details with the various areas of ALAS such as ELIS, objective, needs, functions, networking, software, OPAC, soul 2.0, circulation, cataloguing, classification, Acquisition, serial control, information retrieval systems, resource sharing, administration, library management systems, etc. It helps in the selection of best library software for academic library automation system (ALAS). Computer is used in various fields of library activities. Automation has helped libraries in improving its operations and accelerating their working capacity.

Keywords: ALAS, library networking, library software, soul 2.0, ILMS, resource sharing ELIS

Introduction

The use of computer and Academic library networking(ALN) have given resource sharing a new direction the holdings of other participating academic libraries in the systems. Academic library are libraries of school, college and university educational institution which are primarily intended for the dissemination of information and knowledge. The primary function of college library is to help the college in

caring out its programme the university library form the aped of academic libraries

Academic library systems(ALS) is a phenomenon through which computer best information processing is used to perform day to day operations of ALAS and providing library services, indexing abstracting CAS, SDI, e-mail EDDS, DDS, ILL, translation service reprography ELC, reference service bibliography etc.



Fig 1: Library of Kamla Nehru College Korba, Chhattisgarh, India.

What is ALAS?

ALAS stands for academic libraries automation system has been defined as an academic library system (ALS) is a special technical process and information Communication technology. (ICT)

The role of academic library automation (ALA) has been changing over the year. These libraries need to be on the information super highway could connect the entries world for dissemination and exchange of information in near future.

Academic Library:-

They are different parts of academic libraries as there are different types of higher education. The strength and uniqueness of each academic library can recognize by

currently available resources that have serious limitation in supporting a curriculum and relatively few of the millions journals and books that fill our Academic libraries.

Parts of Academic Library System

There are three parts of Academic Library

The major components of the academic library system are:-

1. School Library system
2. College Library system
3. University Library system

Objectives

The main objective of the academic libraries computerization

In India the objective of academic library automation (ALA) are:-

- (a) Schools
- (b) Colleges and
- (c) University libraries automation (ULA)

Need

ALAS is very much needful for following reason:-

1. Labour saving
2. Cost effective
3. Enhancement in budget
4. Automated system save the time of the reader
5. To control rapid growth of information

Library Network

Inter linking library re-sources and services by means of computer and communication technologies a group of computers connected together to transmit information each other to more libraries & other organization can exchange library re-sources and each know about library re-source sharing network. The concept of library cooperation and re-source sharing in research in academic libraries has been strengthened with the support and networking of libraries at local national and international level is gaining momentum. Resource sharing network project include the areas.

S. No.	Name of The Library Network	Sponsored By	Year	Place	Website
1	Nicenet	Nic	1975-77	Nic	Www.Home.Nic.In
2	Ernet	Doe, Govt. Of India And Undp	1986	Delhi	Www.Eis.Ernet.In
3	Btisnet	Dbt	1986-87	Delhi	Www.Btisnet.Nic.In
4	Delnet	Nissat	1988	Delhi	Www.Delnet.Nic.In
5	Inflibnet	Ugc	1991	Ahmadabad	Www.Inflibnet.Ac.In
6	Malibnet	Insdoc	1991-93	Madras	Malibnetonline.Com
7	Punet	Nissat	1992	Pune	202.41.70.20.6588/Punet/Index.Aspx
8	Bonet	Nissat	1992-94	Bombay	Www.Bonet.Ernet.,In
9	Adinet	Nissat	1994	Ahmadabad	Www.Alibnet.Org
10	Calibnet	Nissat	1994	Calcatta	Www.Calibnet.Org
11	Mylibnet	Nissat	1994-95	Mysore	Www.Malibnet.Org

Library Software: library software packages (LSP)

Library software activate computer to perform the decided functions. A large verity of academic library software are available in the educational market but the selection of

software depends upon the nature of the academic library and the software which is used in research and academic library should be user friendly. Some library software's are ----

S. No.	Name of Software	Name of Developed Institute	Place
1	Soul	Inflibnet	Ahamadabad
2	Delms	Desidoc	New Delhi
3	Suchika	Desidoc	New Delhi
4	Granthlaya	Insdoc	New Delhi
5	Sanjay	Nissat	New Delhi
6	Libsys	Libsyscorporation	New Delhi
7	Librarian	Soft Aid	Pune
8	Library Managemet	Raychansysmatics	Banglore
9	Tulib	Tata Unisysy Ltd.	Bombay
10	Wilisys	Wipro India	Banglore
11	Libra	Ivy Systems Ltd	New Delhi
12	Krvger Library Manager	Blitz Audio Visuals	Pune
13	Golden Libra Golden	Age Software Technologies	Bombay
14	Loan Soft	Comutek Computer Systems	Hyderabad
15	Ulysis	Wipro Information Technology Ltd	Secundarabad
16	Cds/Isis	Unesco	Paris
17	Delsis	Libsyscorporation	New Delhi
18	Oasis For Dos	Softlink Pvt	Australia
19	Newgenlib	Kesavan Institute Information & Knowledge Management	Hyderabad
20	Libsuite	Softaid Computer Pvt Ltd	Pune
21	Catman	Insdoc	New Delhi
22	Archives (L,2,3)	Microfax Electronic Systems	Bombay
23	Defence Library Management Systems	Desidoc	New Delhi
24	Nills	Asmita Consultants	Bombay
25	Maitrayee	Cmc,	Culcutta
26	Mecsys	Mecon	Ranchi
27	Salim Expertise	Tiruchirapalli UptronIndia Ltd	New Delhi
28	Liberator	Cmc Ltd	Culcutta

Integrated Library Management System (ILms) _

Typically integrated package which include modules for various cataloguing, OPAC, serial control, administration, acquisition, circulation. Inter library loan plays great political change taken place in Europe during the 1990S and this has amongst other things opened the market for academic library system (ALS).



Fig 2: Open integrated library management software system (OILMSS) soul 2.0

An integrated library system (ILS) also known as a (LMS) is an enterprise resources planning system for library used to track item owned orders made bills paid and patterns have borrowed example of modules might include:

- Acquisition – ordering, receiving and invoicing materials.
- Cataloguing – Classifying and indexing materials.

- Circulation – Leading materials to patterns receiving them back.
- Serial controls – Tracking magazine and Newspaper holding.
- The OPAC – one of the major attractions of SOUL is its robust Online Public Access Catalogue (OPAC). The OPAC has simple and advanced search facility with the minimum of the item.

Online public Searching Catalogue/Book (OPAC)

- Author
- Title
- Subject
- ISBN
- ISSN
- Publisher
- Publication
- Call No.
- Series
- Chain
- Barcode
- Main Key Terms etc.

Soul 2.0 (software for university libraries) is an state –of – the- art integrated library management software designed and developed by the information and library network (INFLIBNET) centre based requirements of college and university libraries.

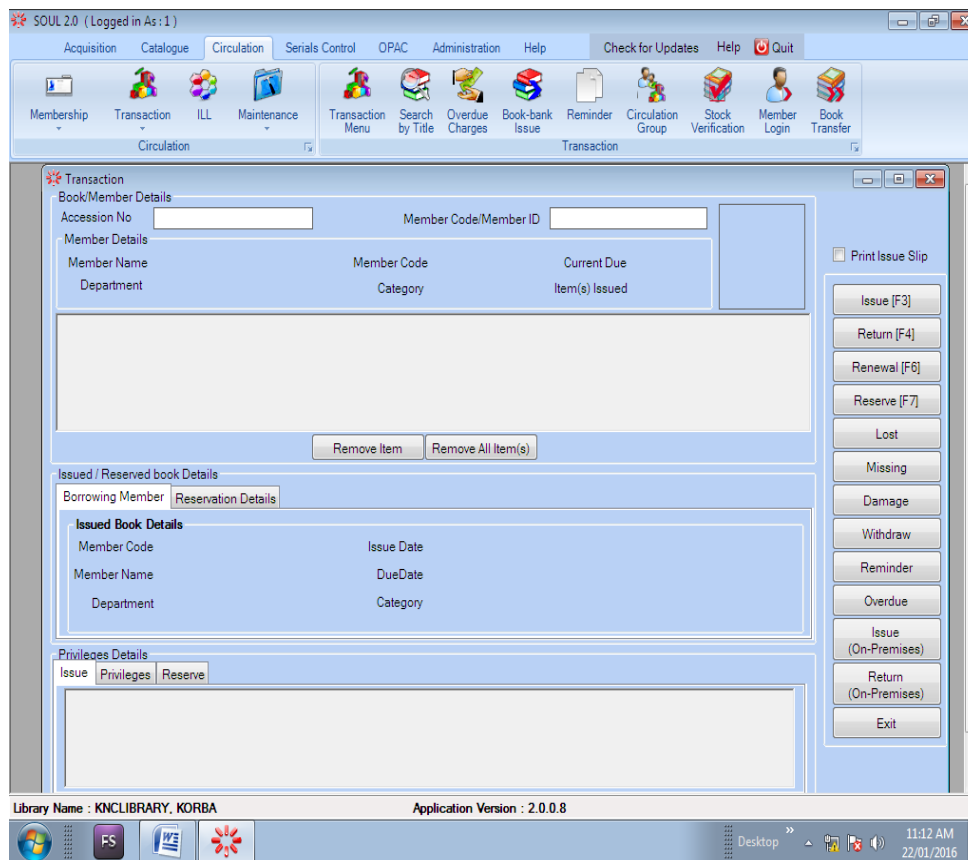


Fig 3: library function of software

Process of Academic Libraries Automation System

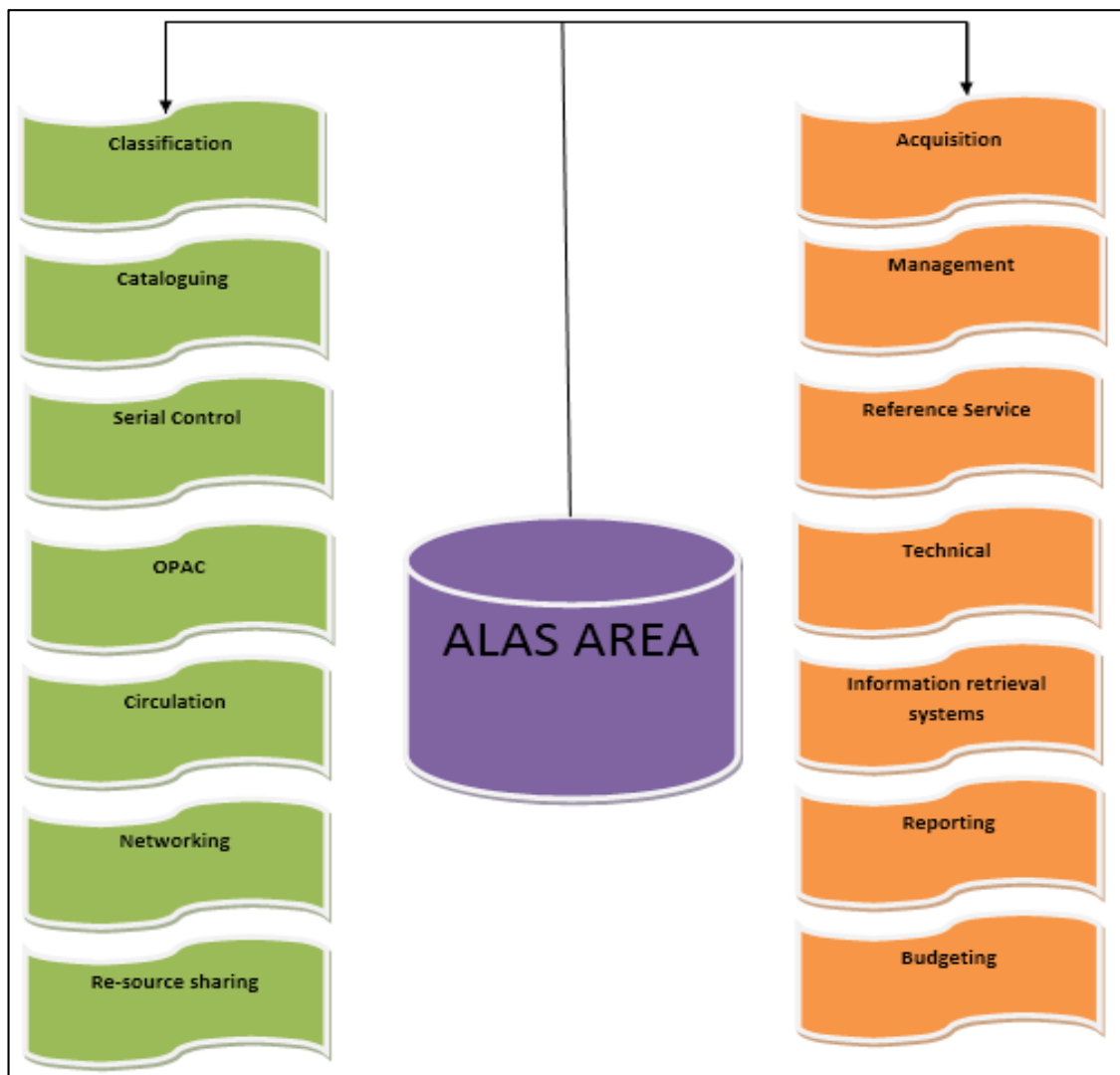


Fig 4: function of Academic Libraries Automation Systems (ALAS)

E – Library information services

Electronic Library Information Services (ELIS) is a process, provided by staff are major computer based online information services. These are as follows: Area

- CAS
- SDI
- EDDS
- DDS
- Reprographic
- Translation
- Internet
- E-mail
- Networking
- Printing
- Information Retrieval
- E-Journal
- E-indexing
- E-abstracting
- E-book
- E-information

- E-periodicals
- Micrographic
- Etc.

Conclusion

This is the study for the Academic library automation system and E-Library information services. The main function of academic library is to create self-confidence to imbibe self-discipline and inculcate the habit of self-motivation which is the need of our modern society is undergoing rapid change in all walks of life. Academic library has been trying with sincere commitments adapting themselves to meet the challenges of the students by providing the academic libraries more and reach to the greater academic height. The project is very useful for those who want to know. ALAS study is conducted to access the library status. ALAS is not a new concept in India. There are many academic library institutes in India who offer training programme for ALAS.

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