

LIBRARY AUTOMATION IN ENGINEERING COLLEGE LIBRARIES AFFILIATED TO ANNA UNIVERSITY IN THANJAVUR AND THIRVARUR DISTRICTS: A STUDY

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Abstract

In this research paper researchers investigated library automation position in engineering college libraries and also determined services through the same. Library automation is very important in engineering college libraries. Engineering college libraries playing a vital role in providing quality based services to their users with using technology. In this research paper researcher also highlighted on importance and need of library automation.

Key Words: Library Automation, Computerization, Engineering, IT, Software

INTRODUCTION

Today's era is information technology era. We can't live without technology, now technology becomes our daily life's part. Now in every field use of computer is general. Library and information science how can live behind IT. Now libraries also use computer for their daily routine work. In this research paper researcher investigated computerized engineering college libraries. Following engineering college are affiliated to Anna University, Tamil Nadu.

Sl. No.	Name of the Colleges	Year of establishment
1	A.R.J. College of Engineering and Technology	2002
2	Arasu Engineering College	2001
3	Annai College of Engineering and Technology	2009
4	As Salam College of Engineering and Technology	2009
5	KSK College of Engineering	2011
6	PR Engineering College	2000
7	Parisutham Institute of Technology and Science	2008
8	SMR East Coast College of Engineering and Technology	2010
9	St. Joseph College of Engineering and Technology	2009
10	Star Lion College of Engineering and Technology	2010
11	University College of Engineering, Pattukottai.	2009
12	Vandayar Engineering College	2009
13	A.R.J. College of Engineering and Technology	2002
14	Anjalai Ammal Mahalingam Engineering	1995
15	Ghanam School of Business	2009

NEED OF COMPUTERIZATION:-

Following are some points will clear that the need of library computerization.

- Save the time of the users and library staff (4th law of library science)
- Explosion of information.
- Reduce human resources / Use proper human resources
- Save printing cost (Registers, Borrow Cards, book Cads etc).
- Number of users can access at a time (OPAC)
- Error free services
- Control library circulation
- Keep up to date records
- Give modern IT bases services to the users like (Web OPAC/Use of Barcode Technology)

OBJECTIVES OF THE STUDY:

- To find out the current situation of the libraries.
- To find out how may libraries undertaken library automation
- To find out barriers to library automation faced by library staff.

REVIEW OF LITERATURE

Dhani. (1966) in his study entitled “Automation in Libraries in India and Role of Library Association” defines automation and explains its use in libraries particularly in India. It also discusses role of library association for finding out measures to protect future employment situation arising from automation suggests need to resist the delay in its introduction by including spirit of selfless hard work. It also stresses the need for training in machine handling, publicizing new automatic devices.

Kimber, (1968) in his document entitled “An Introduction to Computer based Library Systems” Provide and understanding of what automated systems can do in libraries and has highlighted library housekeeping operations for automation and how librarians can develop their own automated systems in their own libraries.

Singh, (1975) in “Automation in Libraries” explains concepts use and impact of automation on libraries including data processing equipment. It also describes the state of automation in number of libraries and information centers in several countries and serves as an introduction to subject of automation and application as viewed from working of modern library.

Sengupta, & Chatterjee, (1977) in “Documentation and Information Retrieval” gives the basic aspect of information retrieval, function and information retrieval systems, traditional and modern indexing systems and the different types of indexes and how computer can be used to produce different types of indexes

METHDOLOGY

In this research paper the questionnaire based survey method was used for data collection. List of questions were formulated keeping in view of the objectives of the study and the same was distributed to 15 institute’s librarians and the researcher obtains 12 (80%) response from librarian and further required information was collected from internet and college prospectus.

DATA ANALYSIS:-

Table No. 1 Status of Library

Sl. No.	Status	Yes	Percentage
1	Library Automated	07	58.33%
2	Legal License Copy of Lib. Software	07	58.33%
3	Computer trained library staff	03	25%

The table No. 1 show that 08 (66.66%) engineering college libraries are automated and providing services with using library software’s 08 (66.66%) libraries have a license copy of library software. 03.25% libraries have only computer trained library staff.

Table No. 2 Library Software

Sl. No.	Software	Yes	Percentage
1	Autolib	02	16.66%
2	Nirmal	01	8.33%
3	Libasoft	02	16.66%
4	In house developed	02	16.66%

The table no. 2 show that 02 (16.66%) engineering college libraries used Auto Lib. Library software for circulation and library management, 01 (8.33%) libraries used Nirmal software and 2 (25%) libraries used libasoft library software 02 (16.66) libraries used in house developed library software's.

Table No. 3 Areas of Library Automation

Areas	Yes	Percentage
Acquisition	07	58.33%
Cataloguing	07	58.33%
Circulation	07	58.33%
Serial Control	03	25%
Budget	0	0%
Administration	0	0%
OPAC	07	58.33%

Software The table no. 3 show that 07 (58.33%) engineering college libraries use library software for acquisition of library materials, 07 (58.33%) libraries also search / prepared catalogue on software, 07 (58.33%) libraries used software for circulation of library materials, 03 (25) libraries also use library software for serial control, not a single library use library software for budget control and administration, 07 (58.33%) libraries used software for OPAC.

Table No. 4 Barrie in Library Automation

Sl. No.	Software	Yes	Percentage
1	Finance	05	41.66%
2	Human Resource	05	41.66%
3	Lack of Training	03	25%
4	Lack of Infrastructure	02	16.66%
5	Lack of IT knowledge	02	16.66%

Table No. 4 show that 05 (41.66%) engineering college libraries are not done library automation due to lack of finance 05 (41.66%) libraries are facing trained human resource for library automation, 03 (25%) libraries facing problem for training of library automation, 02

(16.66) college libraries provide good infrastructure for library automation, 02 (16.66) library personnel feel that they have not knowledge about library automation and information technology.

CONCLUSION:

In the conclusion we can say that the situation of the engineering college libraries affiliated to Anna University Thanjavur and Thiruvavur is good. Some institute facing problem with trained human resource and finance, some of institutes also faces the problem of good infrastructure for library automation. As per the researchers view finance is not a problem to do the computerization, now a days so many open source software's are available on internet like. (KOHA, Dspace) Govt of India, department of NIC (National Information Center) provides free of cost software i.e. E-granthalya.

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