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## STUDY OF LIBRARY AUTOMATION IN ENGINEERING COLLEGE LIBRARIES AFFILIATED TO SOLAPUR UNIVERSITY

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### Abstract

*In this research paper researchers investigated library automation position in engineering college libraries and also determined services though the same. Library automation is very important in engineering college libraries. Engineering college libraries playing a very 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.*

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### KEYWORDS:-

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 Solapur University, Solapur.

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Sr. No.	Name of the Colleges	Est. year
1.	Walchand Institute of Technology, Solapur	1885
2.	Shri Vithal Education and Research Institute's College of Engineering, Pandharpur	1997
3.	K S GBS's Bharat- Ratna Indira Gandhi College of Engineering, Kegaon, Solapur	2006
4.	Kai Amdar Bramhadevdada Mane Shikshan & Samajik Prathistan's Bramhadevdada Mane Institute of Technology, Solapur	2006
5.	Pradnya Niketan Education Society's Nagesh Karajagi Orchid College of Engineering & Technology, Solapur	2008
6.	Shanti Education Society, A.G. Patil Institute of Technology, Soregaon, Solapur(North)	2008
7.	Vidya Vikas Pratishthan Institute of Engineering and Technology, Solapur	2009
8.	Shri Pandurang Pratishthan, Karmayogi Engineering College, Shelve, Pandharpur	2009
9.	College Of Engineering, Vairag	2010
10.	Shriram Institute Of Engineering And Technology Centre, Paniv	2010
11.	N. B. Navale Sinhgad College of Engineering, Kegaon	2010
12.	S K N Sinhgad College of Engineering, Korti Tal. Pandharpur Dist Solapur	2010
13.	Fabtech Technical Campus College of Engineering and Research, Sango la	2011
14.	Bhagwant Institute of Technology, Barshi.	2012
15.	Sahakar Maharshee Shankarrao Mohite Patil Institute of Technology & Research, Akluj	2012

#### NEED OF COMPUTERIZATION:-

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

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

#### OBJECTIVES OF THE STUDY:-

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

**METHODOLOGY:-**

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**

Sr. 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**

Sr. No.	Software	Yes	Percentage
1.	Easy Lib.	02	16.66%
2.	E-Granthalaya	01	8.33%
3.	Libman	02	16.66%
4.	In house developed	02	16.66%

The table no. 2 show that 02 (16.66%) engineering college libraries used Easy Lib. library software for circulation and library management , 01 (8.33%) libraries used E-Granthalayas software and 2 (25%) libraries used libman 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%

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. Barriers in library automation**

Sr. 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%

The 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 Solapur University Solapur is not good. Some of engineering college libraries are going to library automation they are in process but it should not be take more time to do computerization. It is also observed that more than 50 % engineering colleges are started in last 2 year back, they are new, but old engineering institutes should support to them in all aspect.

Some institutes 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

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not a problem to do the computerization , now a days so many open source software's are available on internet like. (KOHA, Greenstone ,Dspace) Govt of India , department of NIC (National Information Center) provides free of cost software i.e. E-Granthalya.

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