

# STATUS OF LIBRARY AUTOMATION: A STUDY OF MANAGEMENT EDUCATION INSTITUTES LIBRARIES

**Viraj Sopan Jadhav**

Research Scholar , Bharati Vidyapeeth Deemed to be University, Pune, India

**Dr. V. S. Mugade**

Research Guide , Bharati Vidyapeeth Deemed to be University, Pune, India

**Smita Yogesh Vedpathak**

Librarian, Bharati Vidyapeeth Deemed to be University, Yashwantrao Mohite College, Pune, India

## **Abstract:**

In the era of information communication technology (ICT) new technique are being used for daily functions of the libraries in higher educational institutions. In the era of ICT, the nature of library activities have been changed drastically, in terms of collection development, providing library services, library administration, etc. The present study focuses on the current status of automation in the management education institution's libraries and major automated library functions, usage of Internet in various sections of the library.

**Keywords:** *Library Automation, Management Education Institutes, Automated library functions, E-Library*

## **1. Introduction:**

A quality of higher educational institutes depends on the well-equipped and well developed library in the institute which can be easily accessible from each sections of institute and from the students. The libraries in higher education institutes render many services to the faculty, students and research scholars. Therefore, automation of library, which directly effects on the services rendering by the library, is indirectly related with the higher education system. The automation of various library functions is an important evaluation parameter of the performance of library in higher education institutes. Today, due to using of ICT, there is a positive impacts on the day to day functions of the library. Simultaneously, student's requirements and their attitudes have changed in its kinds. The behaviour of students pertaining to seeking of information has also changed. Students and faculties in higher

education institutes wants proper, relevant and authentic information quickly, and this has posed challenges for the library professionals in rendering library services and doing various library functions, and thus, the concept of library automation has existed with a view to overcome the various challenges, constraints in rendering library services and in doing library activities.

## **2. Review of Literature:**

Das, Debasis (2015), has discussed on the changing scenario of library automation and management. Through the study author has explained the concept of automate library and discussed on the automated library services, and need of library automation. Author has also focused on the constraints in library automation process. Author has concluded that through the automation library can render good services to the users and can keep library maintenance properly, which manned library cannot do.

Harischandra, P. (2016), has conducted a study to know the impact of automation on the quality of rendering library services, users' satisfaction etc. Author has discussed on the effective automation of work, and the control of library activities. Author has also measure the effect of library automation system on staff efficiency, satisfaction towards job etc. Author has concluded that the automation system of library has made a significant effect on the quality of library services and library management.

Ahmad, P. (2009), has conducted a study to explore the library automation system in the management education institutes. This study is related to the Al-Barkat Institute of Management Studies, Aligad. Through the study author has focused on the extent of library automation in the selected management institute, Author has concluded that, library automation system has now implemented in most of the higher educational institutions in India, but there is a need to encourage automation system in every higher educational institutions.

Iqbal, J. (2011), has conducted a study to explore the effects of automation of library on the administrative activities of the management institute's libraries. Through the study author has

observed that many libraries are partially automated, and in majority of the libraries, automation has improved the quality of library services. Through the study author has observed that majority of the librarian and students believe that the automation system implemented in the library is better than the manual library service system.

### **3. Scope and Significance of the Study:**

Library automation system has proved as helpful to keep pace with the recent technological development. Automation of libraries caused to improve the work efficiency of library professionals in the technical processing of library materials, administration and rendering services to the users. On this background it is important to know about the status of automation in the libraries of management education institutions major softwares in usage automated library functions etc. Today's era of e-learning, e-reference services and other library services, usage of internet are become most important in the every higher educational institute's libraries. On this background the present study is very significant.

### **4. Objectives of Study:**

1. To explore the current status of automation in the management institute's libraries.
2. To know about the software using in the selected management institute's libraries.
3. To know about the automated library functions.
4. To focus on the utilization of Internet in the various sections of the libraries
5. To know that, whether the selected management institute libraries are using cloud technology or not.

### **6. Research Methodology:**

This study is descriptive in nature and every method has been followed for the study. Through the survey method the required information (qualitative and quantitative) has been collected which is related to the various aspects of the library automation, in the management institutes. The primary information is collected through the questionnaire prepared for the library staff.

#### **• Sample Size:**

There are 50 management education institutions in and around Pune city. The institutes affiliated to the Savitribai Phule Pune University have been selected. Almost all the institutes

have selected for study purpose (50 management education institutes established during the years of 1991 to 2021).

### 7. Data Analysis and Interpretation:

The collected primary information has interpreted and analyzed by applying percentage method.

- **Scope of the Study:** The scope of the study is confined to explore the current status of automation, usage of software, internet and cloud technology etc. in the libraries of management institutes situated in and around Pune city. The primary information collected for the study covers past five years only. This limits the scope of the study.
- **Sources of Information:** For the fulfillment of the objectives of the study primary information source have been used. It includes, questionnaire for library staff. The secondary information have been collected through the published books, articles, study papers published in the various journals, periodicals, magazines, etc.

### 8. Results and Discussions:

Library automation means, the usage of the computer to automate the day to day activities of the libraries like cataloging, circulation etc. through the automation library makes the use of computers and other computer based technologies to support its system and services.

**Table No. 1**

**Status of Library Automation**

Particulars	Frequency	Percentage
Fully	24	48%
Partial	26	52%
Initiated		
<b>Total</b>	<b>50</b>	<b>100%</b>

As per the collected information it is observed that, 48% libraries are fully automated whereas 52% libraries are partially automated.

**Table No. 12****Software used for automation**

Particulars	Frequency	Percentage
SLIM	12	24%
Koha	17	34
other	21	42%
<b>Total</b>	<b>50</b>	<b>100%</b>

The software like SLIM is used in 24% libraries, in 34% libraries KOHA software is in use and in 42% libraries the software like Lib-Sys, SOUL etc. are in use.

**Table No. 3****Details of automated library activities (Multiple Responses)**

Particulars	Frequency	Percentage
Acquisition	46	92%
Cataloguing	47	94%
Circulation	46	92%
Administration	49	98%
Other functions	43	86%

Cloud based technology is using in libraries to maintain the library in digital and automate housekeeping. It used in libraries because it is cost effective, flexible, innovative and having open access. The following table indicates the facts in this regard.

**Table No. 4****Using cloud based technology**

Particulars	Frequency	Percentage
Yes	18	36%
No	32	64%
<b>Total</b>	<b>50</b>	<b>100%</b>

According to the information provided by the respondents it is observed that, only 36% libraries are using cloud based technology whereas in 64% libraries are not using this system.

## 9. Findings of Study:

- On the basis of collected information it is observed that, in majority of the selected libraries, there is an availability of the IT based services through web, OPAC, E-journals, E-books, repositories, digitalization, etc. The electronic devices are also available in the library. Such as – high capacity servers, LCD projector, workstations etc. Apart from this libraries there is also availability of RFID technology, Bar Code, printer, CCTV, scanner, file servers, inverters or battery backup etc.
- It is found that there is below 50 percent fully automation in the selected libraries and only in more than 44 percent libraries the automation is partially completed.
- As per the information provided by the respondent, almost in all the selected libraries there is an application of software's like SLIM, Koha, Lib-sys, SOUL etc.
- It is found that, in majority of the libraries, the activities like acquisition, circulation, administration, cataloguing etc. are fully automated. The other activities like physical verification or stock verification, reference services, serials etc. are also fully automated.
- According to the collected information, it is found that, cloud based technology is using only few libraries. In majority of the libraries cloud based technology is not using. Actually, this technology is using for maintaining the library in digital and automate housekeeping purpose.
- As per the information provided by the respondents, it is found that, in majority of the management institutes, the network connectivity is extended to all teaching, non-teaching and research departments. In some institutes, the network connectivity is extended only to the staff and students and few departments. It is also observed that in majority of the institutes there is a Wi-Fi connectivity and in

very few institutes there is a Radi-modem, Dial-up, Leased 3G Dongle etc. connectivity is available.

- Today, in many academic libraries there is a separate Internet connection for various activities. As per the information provided by the respondents, it is observed that, in majority of the libraries there is a separate internet connection available for rendering various services to the users. Apart from this, the Internet is also used for other library activities such as physical verification, circulation, acquisition, etc. it is concluded that, in majority of the selected libraries the usage of internet in various sections is very wide and to a great extent.

### **10. Conclusion:**

The study sought to explore the current status of automation in the management institutes' libraries affiliated to the Savitribai Phule Pune University by selecting almost all the institutes. Through the study an attempt has been made to demonstrate the extent of automation of libraries of management institutes. It is observed that due to automation there is easy access to get information immediate. It is concluded that, automation has increased productivity in terms of services providing, information retrieval and helped in extending function in other section of the library.

### **References:**

- Ahmad, P. (2009), "Library Automation of at Barkat Institute of Management Studies, Aligad with help Alice for Window Library Software", Indian Journal of Library and Information Science, Vol.3, No.2.
- Chandrashekhar, Rajesh (2009), "Library Automation in India-Past, Present and Future", Information Standards Quarterly, Vol. 21, No.4.
- Das, Debasis (2015), "Library Automation: An Overview" International Journal of Research in Library Science, Vol. 1 No. 1.
- Harishchandra, P. (2016), "Information Technology Innovations in Library Management: A case of SIMS", International Journal of current Research and Modern Education, Vol. 1 No. 1
- Iqbal, J. (2011), "Impact of Automation on Library Services in Selected Management Institutes", The Electronic Library, Vol. 32, No.3.

- Srinivasa Rao, Y. (2009), “Library Automation Facilitation: A Case Study of NIT Library in India”, Computers in Libraries.
- Upadhyay, Ashutosh (2012), “A Review of Status Problem and Prospects of Library Automation in Engineering Colleges of Jabalpur City”, Journal of Computer Engineering, Vol. 3, No. 5.
- Vashisht, Seema(2007), “Status of libraries in higher technical education institutions: With reference to deemed universities of North India,” Annual of Library and Information Studies, Vol. 54.