

## Usage of Information and Communication Technology in College Libraries

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### Abstract

This Paper discuss new emerging technology are playing an important role in enriching the tearing process.College improves their educational system and activities regarding with library for its users. Now we have lot the challengers before us in pace with modem development in into technology criteria have throughout into explosion and into revaluation.

**KEYWORD:** -“Information & Communication Technology” (ICT), Library automation, Library Networking, INFLIBNET.

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### INTRODUCTION:

Today Information & Communication Technology is most widely talked concept in all walk of life a scientific world. Strictly peaking Information & Communication Technology is the model science of gathering, storing manufacturing processing and communicating. Information & Communication Technology provide wide range of tools and science for the development and moralization at libraries in context of acquisition, technology process storage retrieval and dissemination of knowledge and information.

### DEFINITION:-

The Terms “Information & Communication Technology” refer to microelectronics based combination computing and telecommunication to manage the acquisition, processing and storage of vocal pictorial, textual and numerical information.

### COLLEGE LIBRARY:

College Library is considered as one of the information center for provision of information to the users it collect, process store and retrieves the right information for the right users at the right. College as refereed as the institution of higher learning which provide courses after school reading to bachelor’s degree. Some of the prominent college also offers courses leading to post graduate degree and residual work leading to Ph. D Degree.

### FUCNTION & OBJECTIVE OF COLLEGE LIBRARY:-

The basic function of college library is to provide study materials to its users. In short possible times and serve the requirement of the student, teachers and researchers toward reading s study and researchers.

The following are the objectives of the college library :

- 1) To promote the records of human knowledge and to keep them up to date in accordance with the growing needs and requirements of the today & tomorrow.
- 2) To remained faculty members of the varied opportunities for using library resources in teaching.
- 3) To provide individual and group guidance to the readers in the use of library resources with practical demonstration on how to procure information.
- 4) To provide necessary resources for staffs & students.
- 5) To assist teaching staff in organizing synthetic methods of teaching.
- 6) To bring documents, students and the academics together under environments which stimulates reading for pleasure, self-realization, personal growth and development, and the cultivation of intellectual excellence.

### **IMPACT OF ICT IN LIBRARIES:-**

Libraries are not exception to the influences of modern technologies which has converted functional activities in all walks of life. Various institution organizations, business center banks etc. have gone into total change in it functioning due to technological change in the world. We are now in the age of information technology revolution along with Information explosion. Due to information explosion automation of library service is imperative for efficiency work of library and information center. The automation is defined as a technique of making a process or a system operates automatically. The use and impact of ICT is now visible in Indian library and in centers which may be due to the drastic reduction/escalation of the cost Coral Draw Software and their easy availability in the market with service support from the suppliers or vendors.

The impact of ICT is also evident on the activities of many LIC associates with university and other institution of the national important. Thanks to university grants commission for establishing IMFLIBMENT which save game-playing an important since its inception for initializing the automation and networking Universities College and RBD Laborites and various instruction figure learning.

### **LIBRARY AUTOMATION-**

Automation is the basis new for modernization of any library automation is usually distinguished from related field such as information retrieval automatic indexing and abstracting automatic textual analysis although computer has a major role in library automation, telecommunication and

Reprogramming technology has equally important role because of the support they after to library automatic of mechanism of function.

### **WHY LIBRARY AUTOMATION-**

The Invention and Increasing use of computer is various field of human activity is witness to the fact that computer is considered to be essential competent for all-round development. The computer was invented because it was needed and it will remain as it is needed. Day by day it is becoming more & more indispensable for the

society and has swayed all fields of human activities. Its use in the library is the need of the day and its application will certainly increase the use and utility of library.

### **SELECTION OF SOFTWARE FOR LIBRARY AUTOMATION:**

An application software package contains modules for all the specific activities that may concern a particular user group. Library software containing modules for acquisition work, cataloguing, circulation, serial control, documentation etc. Following are some of the library application software used for database creation and library services: CDS / ISIS (Computerized documentation system/ Integrated set of information system) developed by UNESCO LIBSYS; MAITRAYEE, SANJAY, LIBRARIANS, TULIF, WINSIS, WILISYS, NIRMALS, LIBMAN, SOUL, Software for university library. The library professional should do a comparative analysis of various functions of software and then come to a concrete decision for long-term benefit of the college library.

### **ROLE OF INFLIBNET IN MODERNIZATION OF INDIAN UNIVERSITY / INSTITUTIONAL / COLLEGE LIBRARIES:**

INFLIBNET – is information and library network. It is an ambitious project initiated by University Grants Commission. Which aims at building up computer communication networks of libraries and bibliographical information centers in institutions of higher learning such as universities and R & D Institutions, National organizations such as CSIR, ICAR, DRDO, ICMR, ICSSR, ICHR, DOE, DOT, etc.

INFLIBNET is a co-operative venture for pooling, sharing, & optimization of library resources in the country. It aims to provide a channel to the academicians & researchers for exchange of information from sources within the country and abroad. The objective of the center is to establish national networks of libraries and information centers including universities and institutions of higher learning, research and development sharing and its utilization of national level. The important and significant achievements achieved by INFLIBNET are: Automation of University Libraries /

Institutions of higher learning. Development & Installation of SOUL in various university libraries. Manpower development by arranging workshop and training, union databases developed by INFLIBNET. INFLIBNET has created an IT Culture in Indian university libraries. INFLIBNET is extending UGC – INFONET program to access scholarly peer-reviewed 4500+ e-journals and other online resources. During 11th plan period, there is a proposal for extending financial and technical support to more colleges which have not been included under this program.

### **CONSTRAINTS OF LIBRARY AUTOMATION:**

Library automation is an expensive, complex and continuous process involving various constraints faced by it in its implementation. The computerization & networking of college libraries is very slow. There are so many factors behind this. The following are some major factors liable for proper library automation.

- Lack of Proper guidelines and planning for automation of library activities
- Lack of well accepted and less expensive standard software package.
- Inadequate financial resources.

- Non availability of IT Trained personal.
- In adequate management support.
- Late implementation of library automation activities.
- Non availability of consultancy services.
- Cumbersome purchase procedure for the acquisition of Hardware & Software.
- Non availability and underutilization of campus LAN.
- Erratic power supply, Non availability of heavy duty UPS and generators in many libraries.
- Resistance of Library staffs.
- Lack of adequate Qualified Professional staff.

### **PROPOSELS & FUTURE PLANS TO COMPUTERIZATION & NETWORKING COLLEGE LIBRARIES :**

Automation will certainly simplify many of these tasks. But, it must build upon a financial assistance most of the libraries want purchase more computer for in starring more terminals for users and wants to provide computerized SDI services and full text search through INFLIBNET. Most of libraries wants to setup LAN and installed more computer for internal access. The financial assistance for running the college is generally made available from the Govt. to all the Govt. Colleges, The Grants which is made available by the

State Govt. in not receipt in time. Therefore due to financial crises the initiatives for developing information infrastructure and computerization of library activities are not been taken by most of the colleges. INFLIBNET should come forward to identify such colleges to extend helping hand for developing information infrastructure for the automation and networking to the college libraries

### **CONCLUSION:**

Used ICT in libraries has become inevitable in an era of information explosion are the emergence of a wide range new technologies. Effective use of ICT tools in libraries helps in performing their operations and service more efficiently. In India many libraries have been adopting ICT applications to library operations for providing efficient service and participating in networks for sharing resources. Open access publishing has already entered into the scientific institution. Despite the many challenges, the LIS sector in India has remarkable achievements. Efforts have been made to setup networks at local, regional, and national level to deploy ICTS and to build electronic information sources. INFLIBNET has played a commendable role at the national level for the implementing ICT application services in the universities college libraries.

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