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## **Modern Information Services in Academic Library: An Overview**

**Dr. Parwati K. Shirke (Librarian)**

G.S. Tompe Arts, Commerce & Science College,  
Chandur Bazar, Amravati.  
[dr.shirkeparwati@gmail.com](mailto:dr.shirkeparwati@gmail.com)

### **Abstract**

Academic libraries are considered a confidence centre of educational establishments and their Services assist numerous academic programs, including teaching and research. In academic libraries, the application of the latest technology, particularly internet technology, has transformed traditional methods of providing library and information services. Introducing novel information via a variety of channels requires an extra need for information and a library system to include the latest users. As users of technology became more demanding, libraries grew or invented new services. Information methods and techniques are constantly being developed by the internet for libraries to use to provide their services. Some research achieved one-of-a-kind elements of the sector that have underlined the significance and relevance of libraries in the modern world. The modern library is characterized by a networked, automatic environment in which each operation is performed with the assistance of one or more communication or information tools. This paper explains the Purpose and Functions of an Academic Library, the Need for Modern Academic Library Services, Modern and Information Services of the Academic Library, and Emerging Trends in Library and Information Services.

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### **Introduction**

Education objectives are to disseminate knowledge and create the right people. Information is stored in libraries, which also serve as a fundamental measure for education. The nature of libraries has undergone a major change from the perspective of computers. In libraries, computers are used to process, store, retrieve, and distribute information. Today's libraries are digital institutions. Nowadays, networked information is highly involved in libraries which are connected to a tremendous of services based on the internet. Additionally, the growth of digital information relevant to the professions is astounding. The technology of information is transformed the whole world into a world village with an international economic system that is becoming more and more reliant on the creative management and dissemination of records. The age of knowledge and information is now well underway in the twenty-first century. An academic library is a library in a university or post-secondary college. Therefore, it supports the teaching and research functions of the university or college. That includes materials needed by the students as part of their education, and materials required by faculty as part of their research activities. So the basic difference from other libraries is the difference in the users of the library. That means there is a bit of overlap with high-school libraries. They support the teaching function of the high school, but the level of the materials provided will be generally different.

There is also an overlap with some special libraries, which often support the research function of their parent institution.

### **What is the function of an academic library?**

Academic library's main function is to support their parent organization in achieving the organizational objectives. As the name suggest academic libraries are involved in providing support for research and educational activities in universities, institutions, and other academic organizations. It involves content development, acquisition, technical services, providing institutional repositories, inter-library loan, and document delivery services etc. some academic libraries also establish writing centers and centers for information literacy too. The functions of academic libraries are to serve as a source of information for students and teachers, with an emphasis on providing access to print materials. Academic libraries also provide access to electronic resources like databases and e-books, as well as online library catalogs that list available books, periodicals, and other resources. The objects of academic libraries are the books, periodicals, media, and other resources in their collections. Librarians will help you find these objects by searching their catalogs or databases to locate items you'd like to read or view.

### **How does academic library assist in teaching and learning?**

Academic libraries exist to support the teaching goals and programs of the university or college itself. Librarians collect materials that best support these programs, departments and fields of study. Additionally, teaching librarians work closely with faculty and students to assist them in research. we had a very active Information Literacy program we taught for-credit, required classes for all freshmen on research methods and critical thinking skills. We also went into classrooms (or brought the classes into the library) for sessions devoted to research methods in their specific field of study, introducing students to the best and most reliable and scholarly books, reference sources, journals, databases, websites and other sources on their subject. At the Reference Desk, we helped students one-on-one as they came to us with their research questions.. Academic Library In the larger scheme of libraries, which also includes national, public, and special libraries, academic libraries constitute a distinct category. A university's or a college's ability to function depends heavily on its library. Academic libraries' function in providing equal entry to information is essential. This statement was emphasized in the academic libraries, Radhakrishnan Commission Report (RCR) as well as the Kothari Commission Report (KCR); UGC in India places a grand deal of significance on development of library services in the higher education institutions as well as on the effective management of those facilities. School, college, university, and research libraries are all considered academic libraries. All of these support academic networks' requirements for enhancing the institution's study and research programs and assisting in the preservation and dissemination of information. Even though these academic libraries provide some features in common, their worth and content are very different from each other. Academic libraries assist the objectives of the educational system to which they belong, rather than existing in and of themselves. Any academic institution's major objectives are:

❖ Knowledge preservation and maintenance;

- ❖ Thinking expansion and diffusion made possible through explanation, study, and publication, and
- ❖ spreading of information through academic services
- ❖ To acquire library resources and materials and provide to help the users for thinking and acting personally. Through these functions, they may able to improve their make and critical abilities and energetic reception.
- ❖ To grow and improve the awareness of information, education, and civilization.
- ❖ To give facilities for formal and informal lifetime self-education to all users.
- ❖ To maintain human literature and culture for future generations as sources of inspiration for lifestyle and research;
- ❖ To provide reliable information for all users, whatever their age, caste, creed, colour, religion, sex, etc.

Manual and Automated Services Academic libraries have unique ways of providing services, which are typically divided into two classes: manual services and automated services. These are mentioned below.

**1. Manual Services-** The maintenance of numerous records, registers, and cards in the academic library are referred to as a manual system. These entail the manual execution of various tasks and processes without the aid of computers. The best housekeeping and routine tasks, which are cyclical in nature, are performed manually in many libraries. Additionally, manual services are defined as those that are provided or distributed without the use of a computer as a mediator. Computer systems are used as tools or mediators to provide computer services.

**2. Automated Services-** The use of computerized systems in academic libraries today allows them to maintain records of all actions and procedures. Its administrative tasks, such as acquisition categorization, circulation, and recording information about journal subscriptions, have been digitized. For carrying out a variety of library-related activities, it uses library management software (LMS). There are many modules in the software package for library tasks. The software program allows the library to quickly and effectively accomplish its ongoing tasks. Now, all housekeeping tasks are carried out by computerized devices. Users are also given access to computerize services via LMS. For instance, Token or registration systems are used in the circulating area to distribute books to users. A computerized circulation system does not require the library to create and manage borrower cards or tokens. Each member must have a single card with a distinct identification number in order for the program to access the member database (which includes a library membership number). Additionally, the software program manages various borrowing facilities

### **Modern and Information Services of Academic Library**

Modern and information services of academic libraries were seriously hampered by the rapid development of technology for information and communication. The production of the most recent data was driven by the exponential growth of digital and electronic information, which, then called for services to new user. Development of the online into vast repository knowledge

presented the challenges and opportunities for libraries and information centers. As more and more people throughout the world have access to the internet, web-based information services become more important. Because of the potential for brand-new users to switch the libraries and information centers can now access information in real-time and digitally from print sources are increasingly updating usual services by integrating using online resources or creating modern services entirely based on such technologies.

Three categories can be used to categorize contemporary advancements of modern libraries and information services:

- ❖ Library and information services based on the web
- ❖ Access to digital resources services
- ❖ Access to internal digital resources

#### **Library and Information services based on the web**

Online library activities mean that, with the use of library automation software, which given utilizing the web as an intermediary and the library's Due to the 24-hour availability of online information services and libraries, users can utilize them from their home computers rather than visiting to a physical location. Scholarly users of the academic library have access to a variety of internet resources for information and libraries. Within academic libraries, online reference services are commonly used by a considerable number of users, e-Journals, e-Books, web-opac, full-text online databases, and digital reference services. In order to rise the academic libraries usually have high-quality libraries and information services encourage the educational network to post suggestions and comments through emails or suggestion boxes.

#### **Access to services for digital resources**

Library digital resources make an outstanding effect on gaining knowledge of and scholar improvement in any organization of better learning. Without any doubt, digital information sources are important thing to the conclusion of the desires of the university library, in addition to the institutional outcomes, specifically on the subject of studies. In short, the significance of digital resources in university training cannot be overstressed. Library digital sources in this context talk over electronically supported information materials subscribed to, certified, or housed in the library or print library materials in digital formats. Advancements in technology and associated facilities have greater provision and availability of university-based digital resources or e-resources in educational institutions, specifically in the library in which a maximum of those digital sources are available and accessed Electronic sources in the universities are ordinarily located and available in the library

#### **Access to services for internal digital resources**

An institutional repository (IR) is a digital repository that allows for searches of the academic work created by a certain institution that is available for use at a later time. The following are the items deposited in IRs: (a) Institutional Repositories A digital archive known as an institutional repository (IR) is the scholarly output of a particular institution that has been kept in a searchable format and is accessible for use at a later time.

#### **Conclusions-**

The most important characteristics of academic libraries that help users realize their goals were extensively discussed. An internet-based system needs wherein all services of present-day academic services are performed to give users are provided with online information from a single access point. The relevant information from the viewpoint of users is essential for the expansion of a library's internet portal system for all services. The professionals who are directly or indirectly connected with information technology as a topic or an activity will be served by the subject information gateway in library technology. For scientists, academicians, researchers, authors, students, etc. who are working on information technology-based study or research, it might also be helpful. We work difficult to keep updated the Gateway resources and preserve including new & modern features. After reading this paper, users should being able to comprehend the type and extent of changes to where libraries and information services are located, as well as recognize modern library and information services. Gain knowledge of more recent ideas and developments in information services and libraries. Furthermore, emerging technology allows for the improvement of the good services and products for majority of libraries and library professionals. To introduce and implement modern-day trends in libraries and library professionals, understanding and information technology are more important.

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