

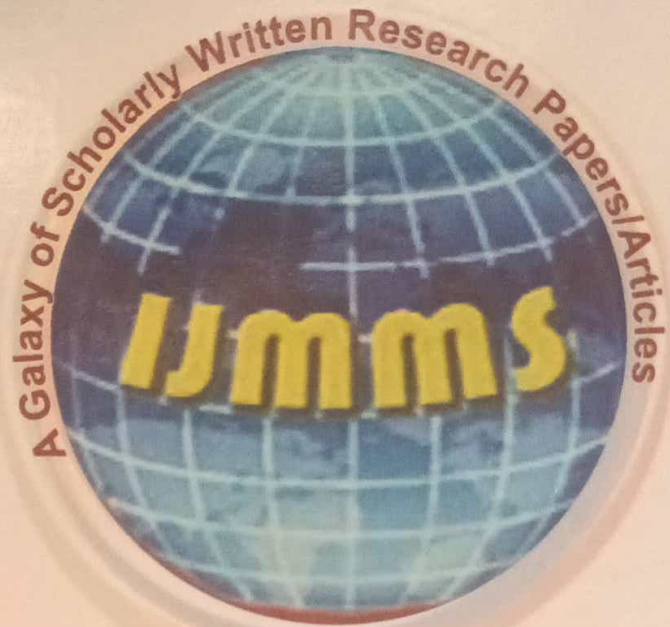
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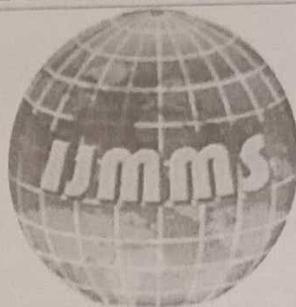
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Web Based Library and Information Services

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Abstract:

In last decade traditional procedures of library and information services have transformed greatly because of the development and application of new technology, especially the internet and web technologies. So libraries must strive to provide the right information in minimum time. The demand and expectation of readers have changed considerably. In this changed scenario, services in libraries are more personalized, more interactive and more collaborative web-based services such as web OPAC, library portals, bulletin, e-resources, Inter library loan, content management software (CMS), institutional repository etc.

Key words: Library web page, CMS, e-Bulletin, web OPAC, Web form, etc.

Introduction: Desired Information is a vital resource for any kind of activity and it is more so in the field of advance scientific research where new innovations, new methods, new techniques, new instruments were discovered every day in the globalized society. The internet is the one most important source which helps users to get updated information which is comparatively chipper and faster. A connection of internet gives user a real time access to online database, library catalogues, full text reports and research papers. The librarian has to play a major role of making sure that the people use not only traditional means but also digital system for best effect. Web Based Library Services are mainly provided through the library portal which is a special kind of gateway to web based library resources. It provides integrate access to the metadata of a library's multiple databases. It gathers a variety of useful information resources into a single webpage that allows users to customize their information resources by selecting and viewing information they find personally useful. Some of the commonly used web based library services are library webpage, web OPAC, E-Bulletin Services, Ask-a-Librarian services, web forms, digital reference services, online document delivery, interlibrary loan, online help and information skill tutorials, online current awareness bulletins, e-mail based services, online reference services, electronic journals (UGC-INFONET digital library consortium), online circulation service, electronic SDI services, online acquisition, electronic article alert service, etc.

The present paper give look at the web-based library services, which can be provide by different libraries. The purpose of the paper is to learn what types of web based library services are available in different libraries, how they were useful to library users. What are the utilities and barriers in this web based services. Some of the web based library services are the follows.

Library web page: Now a day's many library services are provided through the library web pages. Library automation has provided integrated solution for the in-house operations and web enabled services on the campus and intranet using modern web tools and techniques. On library webpage reader can access subscribed resources through username and password e.g. NLIST. Library is providing hyperlink of open access resources, on webpage institutional repository made available.

Content management software: A content management system (CMS) is a computer application that supports the creation and modification of digital content. It typically supports

multiple users in a collaborative environment. CMS features used vary widely. Most CMSs include Web-based publishing, format management, history editing and version control, indexing, search, and retrieval. By their nature, content management systems support the separation of content and presentation. A web content management system (WCM or WCMS) is a CMS designed to support the management of the content of Web pages. Most popular CMSs are also WCMSs. Web content includes text and embedded graphics, photos, video, audio, maps, and program code (e.g., for applications) that displays content or interacts with the user. Some of the useful content management software's are Joomla, Drupal, Dspace, etc.

Web OPAC: This is online public Access catalogue, facility that enables users to search of library database which including books, journals, periodicals and manuscripts. In this service, the reading materials are arranged according to the subject content that is given a call number. The search results are helpful in getting complete detail of the document related to search query, saving the time and energy of the reader.

Web Form: In the library there are different types of forms, in traditional way readers have to submit these forms personally in the library but with the help of the web form readers can fill these forms remotely from any place no need to come to the library. It will save the time of the readers and library personnel.

Library e-Bulletin: E-Bulletin is an electronic communications source that hosts posted messages and articles connected to a common subject or theme or interest. It allows library users to either leaves or retrieves messages. The message may be directed to all library users of the bulletin or administrator. Several libraries are using E- bulletin for their web based library services. The E-bulletin system is also used as an interactive interface to invite suggestions on activities and services of a library. It can also be used as an interface to distribute library services.

Digital Reference Service: The terms "digital reference," is used interchangeably to describe reference services that utilize computer technology in some way. Whether it is email reference, chat reference or an automated routing system, virtual reference is significantly influencing the delivery of high-quality library. Digital reference service simply defined as the provision of real-time personal assistance to users via web-based interactive software. To satisfy the information need, the librarian can "chat" as a component of

E- Document delivery system: It provides free scanning and delivery of articles and book chapters. Users receive email notification with secure log-in to retrieve pdf files of citation requests. Users can request an electronic copy of a journal article or book chapter. Library personnel provide related information to the user. It is becoming a popular service among researchers.

E-Journals: Electronic journals, also known as e-journals, and electronic serials, are scholarly journals or intellectual magazines that can be accessed via electronic transmission. Some journals are 'born digital' in that they are solely published on the web and in a digital format, but most electronic journals originated as print journals, which subsequently evolved to have an electronic version, while still maintaining a print component. As academic research habits have changed in line with the growth of the internet, the e-journal has come to dominate the journals world. These

e-journals can be accessed from any ware in the world. Some e journals have to subscribe and some are open access. Library has to give their link to users.

E-Books: An electronic book (or e-book) is a book publication made available in digital form, consisting of text, images, or both, readable on the flat-panel display of computers or other electronic devices. Although sometimes defined as "an electronic version of a printed book", some e-books exist without a printed equivalent. Commercially produced and sold e-books are usually intended to be read on dedicated e-reader devices. However, almost any sophisticated computer device that features a controllable viewing screen can also be used to read e-books, including desktop computers, laptops, tablets and smartphones. These E- books can be accessed from any ware in the world.

Database: A database is an organized collection of data. A relational database, more restrictively, is a collection of journals, books, research reports, research articles, repositories, archives tables, queries, views, and other elements. There are "free" or "subscription" can refer both to the availability of the database.

Interlibrary loan: Interlibrary loan (ILL) is a service whereby a user of one library can borrow books, DVDs, music, etc. and/or receive photocopies of documents that are owned by another library. The user makes a request with their home library; which, acting as an intermediary, identifies libraries with the desired item, places the request, receives the item, makes it available to the user, as well as arranges for its return. The lending library usually sets a due date and overdue fees of the material borrowed. Although books and journal articles are the most frequently requested items, some libraries will lend audio recordings, video recordings, maps, sheet music, and microforms of all kinds. In some cases, nominal fees accompany the interlibrary loan services.

Ask-A-Librarian: Ask a Librarian is a live virtual reference service that offers online reference assistance to library users. Ask a Librarian began as a partnership between the College Library and users in the interest of creating a virtual reference service that would increase the interaction between librarian and library users through internet.

Utilities of the Web Based Services

- Increased Productivity
- Serve the library users of remote places.
- At a time multiple users can get services.
- Through inter library loan users can browse resources from other libraries.
- In minimum budget no of resources can access through consortium.
- Through this proper and optimum use of library material.
- It saves the time of the users
- Almost no dependency on library personnel for required information.
- With minimum qualified library personnel library can give better services.
- Availability of information in different places and also in different formats
- Quick response to the users demand.
- Stock verification and misplace of material problem solved.
- Saves the storage place.

Barriers in the web based services

- Lack of Awareness.
- Limited Access.
- Lack of reliability
- Lack of dynamic face to face interaction.
- Overload of information.
- Lack of control on information generation, distribution and access.
- Errors in documentation of records (Information).
- Proper training required from competent persons.
- Barriers in use of information by IPR Laws.
- Problem of electricity and internet connectivity in remote areas.
- Web based services are in the primary stage of development.

Conclusions: The first and important function of the library is to provide quality information service in order to satisfy their users with the right information at the right time. Web based information services are essential for academic library users. The transfer of library services to the web based environment helps the users to find, evaluate, and use information effectively. The libraries hold the hands of the users who are moving towards new communication paradigm. A shift from face to face human contact to human machine interaction, from paper to electronic delivery, from text centered mode to multimedia and from physical presence to virtual presence. The paper is to study and understand the web based library services. The librarians and library personnel have to join the learning community as coaches and collaborators, guide the students, teaching them how to search effectively and helping them judge the quality and usefulness of the information that they meet with. In this way web based services can be made available to the users.

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