DEVELOPMENT STAGES OF ELECTRONIC LIBRARY

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Abstract: This article discussed what we mean by electronic library, what are its components, its development stages and its sites.

Key words: virtual library, digital library, electronic library, virtual world.

It is worth noting that electronic libraries should be considered as complementing information services, not as a negation of traditional libraries. Through the electronic library, you can use the information of the electronic library anywhere in the world. Another convenient part is that you can copy the necessary information. To use the electronic library, it is enough to have a computer, a modem and an Internet connection. In fact, the concepts of virtual library, digital library, media library, and electronic library are used in the same sense. Among them, the concept of electronic library is the most common, so this concept is used more often. Later, words such as virtual world, virtual world, and virtual friend appeared. The word virtual means to imagine. A virtual library is an abstract version of a regular library. The books, magazines and newspapers of this library are not on the bookshelves, but in the computer memory. It is a collection of data stored in a digital format on a computer or special computer devices. These are: printed audio, video and multimedia data. Depending on the size of the data, the servers consist of one or several computers connected to the network. Virtual library (virtual library) - connecting two or more electronic library systems using communication tools, establishing associative relationships in terms of information compatibility and providing users with information sources. Refers to the online collection of electronic libraries.

In Western countries, for example, in the USA, the automation of libraries began in the 60s, and the creation of electronic collections by entering books into computers has been done since 1971. The popularization of the Internet in our country from the end of the 90s to the beginning of the 2000s allows us to create electronic libraries and communicate with the people of our country and the world. Projects of central organizations such as the State Library named after Alisher Navoi, collections created and created by our enterprising compatriots on the Internet are examples of this. Here are some e-library addresses and descriptions: Virtual Library of Congress. An electronic version of the Library of Congress, it is one of the largest virtual libraries in the world. The Library of Congress was established on April 24, 1800. It has more than 115 million books and documents. The virtual library contains historical information, various collections, pictures, information, and news. When you walk through this library, you feel like you are traveling through the long history of the monuments embodied in it. WWW Virtual Library. WWWVirtual Library contains a variety of information: agriculture, economics and business, computer technology, communications, information and journalism, reading, law, science, etc. The following branches of the library are also available: Pennsylvania State University (USA), United Kingdom (UK), Switzerland and Argentina. The library has an alphabetical search system for words and sentences. Gpo Access. The US Government Printing Office center contains millions of pieces of information. In it, you can get

acquainted with documents, books, and news of various districts in the United States. This library is filled with 28,000,000 documents every month. This task is performed by a special electronic data unit. Consultations and orders are made by phone and e-mail.

Several thousands of users use this service per day. This library is widely used by public and private enterprises. This library has a special section for children, where children can get necessary and interesting information. It includes: history, laws, and necessary summaries of information about leaks. The name of this section is the US government's children's page. (Bens Guide to the US government for kids), address - Marketing and advertising department develops library catalogs and distributes them around the world. The main purpose of the creation of electronic libraries is to improve the quality of service by creating conditions for getting to know the contents of printed publications; to increase the quality of information service, to create an opportunity for the provision of information service of any type and topic, to increase the number of users when switching to the use of electronic resources; 3 to create an opportunity to get acquainted with any type of multimedia information, images and informational text; to create an opportunity to get acquainted with materials available in various collections and funds, publications of various levels, unlimited information by nationality and affiliation to the institution; 4. to further expand the circle of suppliers and recipients of information with wide opportunities; - increasing the opportunities of physically or socially limited users to have information; 5. to expand the possibilities of information reaching any place (home, office); 6. Elimination of restrictions on the time of applying for information and obtaining it; 7. Ensuring access throughout the year and 24 hours a day. Let's recall some rates given to the electronic library. F.S. Voroysky in his work [3] gives the following rate to EC. An electronic library is a library that stores information in electronic form in its fund and allows its use.

And Kenneth Dowlin defines EC in his book "Electronic Library" published in 1984 as follows: Management of resources by computers; The ability to connect the information provider with the information consumer through electronic channels; If necessary, the ability to influence employees on electronic processes; Using electronic means, the ability to store, process and transmit information to consumers is developed. In connection with the launch of the "Electronic Library" program in Great Britain in 1991, it was initially labeled as "A library is called an electronic library, if most of the documents in its collection are transferred to electronic form." It can be seen from this tariff that a fully automated library can be an "Electronic library". In his book, William Adams from the University of Massachusetts, USA defined EC as "a managed collection of information suitable for services, in which information is stored in digital form and accessed over a network." Y. L. Shreiberg in his book [6] defines the electronic library as follows, "Electronic library is local or global electronic resources united on the basis of a common ideology of structuring and access." The electronic document storage system should ensure the effective storage and up-to-dateness of documents in the external memory of the computer, as well as the confidentiality of their effective search and reference. Indeed, storing information on a computer is somewhat more convenient than on paper: you can change the information at any time, fill in and print as many copies as you want. You can write information on a diskette and go to any city and country, in this case, you don't have to worry about the fate of the paper document chest, and the diskette can be kept in the inner pocket of the suit (for example, 1 million pages of text can be stored on a 3.5-inch DVD diskette) can accommodate). A place where information, including electronic documents, is stored in an external memory is called a database. The creation and maintenance of databases is a special task of the software products united under the name of the database management system. The most popular software tools of this group include D Base, Clipper, Paradox, Approach, Oracle, FoxPro, Access, and others.

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