



## **DIGITAL LIBRARIES: FACILITATING ACCESS TO INFORMATION AND DEVELOPING LIBRARY SERVICES USING MODERN TECHNOLOGIES**

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<b>Article history:</b>	<b>Abstract:</b>
<b>Received:</b> 28 <sup>th</sup> July 2025 <b>Accepted:</b> 26 <sup>th</sup> August 2025	Digital libraries have become an integral part of modern Information Society. They provide people with convenient, fast and efficient access to information resources available worldwide. Digital libraries, formed on the basis of the Internet and other high technologies, are tasked with converting information from physical to digital and making it widely available to users. These libraries are distinguished from traditional libraries by their systematic organization and large information bases. In this way, digital libraries are not only bringing revolutionary changes in the provision of library services, but also radically updating the methods of obtaining and managing information.

**Keywords:** libraries, information, internet, modern technologies, digital libraries, education, digitization.

It is worth noting that the widespread popularity of digital libraries has significantly facilitated the acquisition of knowledge and research work. In traditional libraries, where it takes a lot of time and effort to find the desired book or article, digital libraries allow the user to find information in seconds using search engines. These libraries simplify and systematize the search process of users through their electronic catalogs, indexes, and metadata bases. This in turn serves to improve the quality and efficiency of scientific research, since users will be able to quickly find the necessary resources for their activities as follows. Digital libraries are also an important tool in the educational process. Modern schools, universities and other educational institutions are offering more comprehensive and accessible information resources to students and students by digitizing their libraries. E-books, articles, video tutorials, interactive learning resources allow you to freely use any time and anywhere using digital libraries. This has the effect of improving the quality of the educational process, adapting teaching materials to the needs of individual students. In modern digital libraries, the provision of interactive services to students, automation of educational processes, as well as the creation of opportunities for obtaining knowledge in a distance way is established.[1]

Another distinctive aspect of digital libraries is their great contribution to the preservation and transmission of cultural heritage to the younger generation. Many rare and ancient manuscripts, books, works of art are being digitized and presented to a wide audience around the world. Through this, historical sources, elements of national cultural heritage are safely

preserved and the possibility of their use is being expanded. This suggests that digital libraries have become an important platform in preserving culture and bringing it to a new generation. Digital libraries also play an important role in enhancing information culture in society. At a time when information technology is rapidly developing in the world, there is a need for people to form skills for the effective use of information. Digital libraries in this regard provide users not only with access to information, but also the necessary conditions for its analysis, comparison and assimilation. At the same time, they also help develop useful skills such as information literacy, scientific ethics, and careful handling of data.[2]

Along with technological progress, the scope of digital library services is constantly expanding. For example, users are being presented with new options such as remote access options, online consultations, interactive information search tools, e-book rentals, connections to international scientific bases. In this way, they began to move beyond the scope of traditional library services and become a complete information ecosystem. Digital libraries are also contributing to the acceleration of the progress of science by ensuring that collectors and researchers have access to resources at any time and from anywhere. In turn, the infrastructure of digital libraries is constantly being updated and modern information security methods are being introduced. Much attention is paid to the issues of storing, sending and protecting user data. In particular, new technologies and protocols are widely used in the areas of privacy protection of personal data and anti-theft. At the same time, the legality of information in digital



libraries and the protection of copyrights are also in the spotlight.[3]

There are also some challenges facing the development of digital libraries. For example, problems such as technology financing, free access to internet networks, inadequate levels of information literacy, and lack of technology application skills can be said. It is for this reason that comprehensive measures are being implemented by state and non-governmental organizations to develop the infrastructure of digital libraries, to ensure the effective use of Information Technology in the educational system. This is necessary in order to more broadly introduce the capabilities of digital libraries in the community and ensure that each citizen has equal access to information. In the future, digital libraries will become more perfect systems, their role in the field of Information Management and presentation will increase. Artificial intelligence, big data analysis, virtual reality and other advanced technologies are creating opportunities to make digital libraries more efficient and interactive. These processes make it possible to use new approaches to personalize library services, meet the individual needs of the user and provide the necessary information with accuracy. At the same time, new innovations have appeared in the fields of Science and education, and digital libraries serve as an important tool in ensuring their development.[4]

#### **CONCLUSION:**

In conclusion, digital libraries are one of the most basic sources of access to information in modern society. They provide the development of the fields of Science, Education and culture, providing the opportunity to receive information quickly and efficiently. Digital libraries have an important function not only in storing data, but also in communicating them to a wide audience and increasing information literacy. Their development remains one of the main factors that ensure the future of society, harmonized with high technologies. Therefore, the further development and accelerated promotion of digital libraries is an important task for today's demand and for the future.

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