



**THE TRANSITION TO ELECTRONIC LIBRARIES IS A PRIORITY FOR  
MODERNIZING THE HEALTHCARE EDUCATION SYSTEM**

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**Abstract:** The transition to electronic libraries represents a crucial step in the modernization of the healthcare education system, offering innovative opportunities for improving the accessibility, efficiency, and quality of medical training. As digital technologies continue to transform educational environments, electronic libraries provide flexible access to up-to-date scientific literature, interactive learning resources, and evidence-based medical databases. This shift enhances students' ability to engage in independent learning, supports instructors in delivering modernized curricula, and strengthens research activities across medical institutions. Furthermore, electronic libraries contribute to the development of digital literacy among future healthcare professionals—an essential competency in contemporary medical practice. Despite challenges such as technological infrastructure, digital resource management, and user preparedness, the adoption of electronic libraries remains a foundational element for creating an integrated, technologically advanced healthcare education ecosystem. This paper explores the significance, benefits, and implementation considerations of transitioning to electronic libraries within the healthcare education system.

**Keywords:** electronic library, digital source, resource, traditional library, modernization of education, Information and Communication Technologies (ICT).

### **Introduction**

One of the main tasks facing the medical education system today is to deliver modern scientific information to students and teachers in a fast, accurate and convenient form. In an era of rapid development of science and technology, rapid updating of information and reliance on global scientific achievements are of particular importance for the medical field. Therefore, the introduction of electronic libraries in higher educational institutions, colleges and research institutes in the field of healthcare is one of the urgent issues.

Electronic libraries introduce a digital approach to the educational process, increase the quality and efficiency of teaching, and create a wide range of opportunities for students and specialists to enter the global scientific space. This article will comprehensively cover the advantages of electronic libraries, the implementation process, their impact on the education system and their role in the healthcare sector.

Main part

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### 1. The concept of electronic libraries and their importance

An electronic library is a platform that provides digitized scientific literature, databases, textbooks, articles, dissertations, clinical recommendations and other scientific sources through a single information system. Unlike traditional libraries, electronic libraries eliminate the boundaries of time and space. That is, students and teachers can freely access scientific resources at any time of the day, from any region where the Internet is available.

Electronic libraries are especially important in the medical field, since scientific innovations in this area are constantly emerging. Thousands of studies in diagnostics, treatment, pharmacology, surgery and other fields are conducted every year, and it is almost impossible to keep track of them using traditional methods. Electronic libraries provide quick access to an updated information base.

### 2. The role of electronic libraries in health education

Electronic libraries make the learning process interactive and flexible. Students have the opportunity to view not only text resources, but also video lectures, clinical case studies, animations and practical instructions. This, in turn, facilitates the process of assimilating information.

Research in the medical field requires a wide range of manuals and their rapid updating. Electronic libraries create the opportunity to accurately sort, search and store the necessary information for scientific research. Students and researchers can quickly find resources on the topic of research in existing databases.

Electronic libraries work in integration with the world's largest scientific databases. Platforms such as PubMed, Scopus, Web of Science are sources of the most relevant scientific articles in the field of medicine. Students and teachers gain knowledge and experience at a level that meets international requirements by using these databases. As a result, the quality of education increases, and scientific activity enters the global arena.

### 3. Advantages of switching to an electronic library

Finding the necessary information in traditional libraries often takes a lot of time. Electronic libraries provide the necessary resource in seconds through a quick search system. This helps to effectively allocate time.

Several people cannot use one book at the same time, but in an electronic library, several hundred or thousands of users can use the same resource at the same time.

Electronic resources are regularly enriched with changes in medical protocols, new drugs, and the results of clinical trials. This ensures that students' knowledge is relevant and close to practice.



The pandemic period has clearly demonstrated the importance of distance learning. Electronic libraries are the main support system for distance learning. Students can access textbooks, lectures, and scientific articles regardless of their location.

#### 4. Problems encountered in implementing electronic libraries

In some educational institutions, the speed of servers, computers, and the Internet is not enough to fully support electronic resources. This can hinder the full functioning of the system.

To use electronic systems, teachers and students must have sufficient digital competence. Regular training in this regard is important.

The provision of digitized resources in electronic form should be carried out on the basis of copyright. Proper organization of this process requires time and money.

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