

## INTRODUCTION OF ELECTRONIC TEXTBOOKS IN THE PROCESS OF TEACHING STUDENTS

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### ABSTRACT

This article describes the introduction of an electronic textbook, which can provide free access to knowledge, increase the motivation of learning, mutual learning through the visualization, interactive form of presentation of educational material, and promote the development of cognitive interest of students.

**KEYWORDS:** distance learning, electronic textbook, education, innovative technology, knowledge, student, method, information and educational environment, competency-based approach, continuing professional education.

### INTRODUCTION

In our brave new world, traditional teaching methods are no longer just losing their (dominant) position, giving way to other, innovative, interactive, able not only to facilitate students' perception of the material, but also simply to accelerate the transfer of knowledge. By innovative methods in higher professional education the use of modern science and information technology can be improved.

The purpose of the methods is to improve the quality of training by developing students' creative abilities and independence (methods of problem and projective teaching, research methods, training forms that provide for the updating of the creative potential and independence of students, etc.). Distance education is a promising way of education, especially during a pandemic in the world, for isolated areas, including residents of Central Asia and other people who cannot achieve their goals in another way.

Against the backdrop of the new type of coronavirus pandemic (Covid-19), like other countries in Uzbekistan, various technologies have been introduced to support the virtual educational process.

In world practice, e-learning has become an integral part of modern education - it's just now that it has turned from optional to necessary.

The world has already developed the practice of introducing and using distance education information systems. And it should be noted that the future of distance learning in higher education in the world is associated not only with the introduction and use of new information technologies, but also with the issue of the use of electronic textbooks.

### MATERIALS AND METHODS

Information and telecommunication technologies have spread in general to all spheres of human life not just education. And the spread of information technology contributes to a number of external and internal factors:

- Global informatization;
- The need to train relevant professionals;
- An increase in the number of computer and multimedia equipment in higher educational institutions;
- The regular, continuous appearance of special programs of informatization of society.

And certainly - electronic publications play a special role in the current educational process. This is really the most dynamically developing class of educational products. And you can even, in principle, say: quantity is increasing rapidly, and quality is improving.

Distance learning is associated with the planning of educational activities, the development of the necessary teaching materials, the use of pedagogical technologies to motivate learning, the formation of the necessary general and professional competencies, and the social qualities of the individual, the possibility of continuing professional education.

The competency-based approach in the educational process involves the development of integrated electronic training courses in which subject areas correspond to various types of competence based on electronic textbooks. An electronic textbook is a special device or software used in the educational process and replaces a traditional paper textbook.

Currently, the interpretation of the phrase “electronic textbook” is very broad: in some cases, it means the electronic version of the paper textbook, in some it means a complex set of programs on electronic devices that allows students to demonstrate, in addition to text, teaching multimedia material that also contains interactive blocks of knowledge tests, updated from a centralized source, and so on.

Electronic textbooks of the latter type are under development, therefore, basically modern electronic textbooks are electronic text with illustrations. Almost all teachers note the simplicity of using an electronic textbook by students, increasing students' motivation and interest in working with a subject using a technical device, and the pleasure of using an electronic textbook in class and at home.

An electronic textbook should provide students with the ability to search, analyze information and apply the knowledge gained. The electronic textbook includes three required components: - multimedia - text, audio and video recordings, illustrations, animations; - adaptability - satisfaction of educational needs of students; - multidimensionality - the presentation of information about a process or phenomenon in a variety of relationships, from various points of view.

Requirements for the electronic textbook:

- The structure of the textbook should provide an opportunity for independent cognitive activity of students;
- The content of the electronic textbook contributes to the formation of the necessary competencies and social qualities of students;
- The electronic textbook has its structure modules, the necessary information components, methods of control and self-control of students.

If the electronic textbook meets the modern requirements for the educational system, then the organization of the educational process using the electronic textbook is necessary, which involves:

- Communication with the teacher as a mandatory element of the educational process, webinars not only in the form of lectures, but also seminars with students chatting with the teacher;
- Presentations that can be used as an additional educational resource;
- test questions following the results of the webinar;
- The availability of webinars both on-line and in the archive;
- Individual counseling;
- An electronic forum for discussing theoretical and practical materials.

The creation and implementation of electronic textbooks for universities is becoming one of the processes contributing to the adaptation of higher education to the social changes of the post-industrial, information society and the integration of universities in the global educational environment. It should also be noted that the development and use of electronic textbooks contributes to the reform of universities, the improvement of legislation, taking into account prevailing world standards regarding the use of information technology in general.

Proper use of an electronic textbook can indeed become a powerful tool in the study of most disciplines, especially those related to information technology. It is important to understand exactly that a genuine electronic manual is not an electronic version of a book (PDF or HTML file), the functions of which are limited to the possibility of switching from the table of contents via a hyperlink to the desired chapter - depending on the type of presentation (lecture, seminar, test, independent work) the course itself should be appropriately adapted to achieve the effect of using such a manual, and the manual itself should support the training modes for which it is used.

As a rule, electronic textbooks are built on a modular basis and include a text (audio) part, graphics (static diagrams, drawings, tables and figures), animation, field videos, as well as an interactive unit. With the possibility of access to the global Internet, electronic textbooks have become readily available, they can be viewed and consulted on their study, physically being at a remote distance from the library and university teachers.

## CONCLUSION

An electronic textbook can provide free access to knowledge, increase the motivation of learning, mutual learning due to the visibility, interactive form of presentation of educational material, and contribute to the development of cognitive interest of students.

Thus, the introduction and use of electronic textbooks contributes to the process of diversification of the contingent of university students and is an effective way to improve the quality of knowledge acquired by students, the educational level of distance learning system graduates.

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