



# Information And Communication Technologies As A Means Of Developing Economic Competence Of Students

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ABSTRACT

In this work, the didactic possibilities of information and communication technologies, which serve to form the economic competence of students of technical higher education institutions in the conditions of the digital economy, are discussed.

Keywords:

Economic entrepreneurship, digital economy, education, computer, information and communication technologies, informatization of education

It is not surprising that the educational system today is absorbed by digital technologies, because it serves as a basis for a serious analysis and editorial justification of many things that are offered in the information space today.

It is necessary to adapt the educational system to digital education through the effective use of innovative educational technologies and didactic models based on information and communication technologies. At the same time, information and communication technologies in the educational process are not a solution to all problems in the educational system, but a tool for making lectures and seminars rich in information and interactive for digital education. It should also be noted that teachers retain the main role in the interactive learning process focused on the needs of students.

The modern labor market makes strict demands on the professional activity of young professionals. Ability to independently acquire theoretical knowledge and necessary practical skills; work with information (collection,

analysis); to work together and create new ideas; the use of information and communication technologies (ICT) in professional activities, all this ensures that the specialist fully meets the requirements of the competitive and market economy [1,2].

The priority direction of the development of the modern education system is the informatization of education, and this direction is characterized by the following innovative processes:

- introduction of informational educational services based on digital educational technologies;

- development of open digital educational content and software-methodological support based on interactive and multimedia technologies;

- creation of telecommunication structures (information-educational environment, educational portals).

Informatization of education stimulates the development and implementation of modern information and communication

technologies, helps to improve the quality of training of future specialists through the use of ICT tools, helps to develop the intellectual activity of students, and the socio-economic development of society [1].

The development of education is closely related to the development of information and communication technologies, their use has significantly changed the information environment of modern society and helped to improve the quality of education:

- improvement of methodology and content selection strategy, making changes to the teaching of traditional modules;
- increase the effectiveness of the educational process, its individualization and differentiation;
- introduction of new forms of mutual cooperation that change the content and nature of the activity of professor-teacher and student during the educational process;
- improving the management of the educational process, increasing students' enthusiasm for studying;
- involving the student in learning the basics of modules and increasing his readiness for mental activity in the information society.

In the context of digital education, Web-2.0 Internet technologies have become very popular, including blogs, social networks, web quests, and Wiki applications [5].

The term "Web-2.0" refers to a new approach to building a global information system, which in turn has changed the passive role of the User to an active one. The user turns from a student to a content creator.

New Internet technologies such as "wiki" and "blog", Moodle, which are examples of Web-2.0 services, have formed a new approach to creating a computer learning environment.

A "blog" is a web site whose main content is a regular addition of entries (messages) of temporary importance, arranged in reverse chronological order, containing images or multimedia. On blogs, visitors can post comments and comments, making blogs a cross-network communication environment.

Using blog technology to study economic modules in a digital educational environment increases students' interest in the learning

process. Completing the tasks assigned to the module by using blog technology gives students the following opportunities:

- expressing one's point of view and getting to know the opinions of others;
- development of the ability to analyze and synthesize information;
- development of self-education skills;
- increase motivation for learning;
- self-activation.

The following blogs can be used to form students' economic competence:

- the professor-teacher blog is managed by the pedagogue-teacher and contains curriculum programs, information materials on the studied course, links to additional resources, informational and reference Internet resources, audio and video files, home may include assignments and student work. In this blog, students are limited in their ability to comment on what they read;

- group blog - both students and professors have equal opportunities to post information. This blog is best used for joint debates and discussions. You can also post various announcements, notes, publications, illustrations and links to the materials discussed in class. The group's blog allows the teacher to successfully monitor the work of students;

- student blog opens wide opportunities for each student to write about interest, discuss current issues and topics.

A wiki is a multi-topic database, a notebook organizer, an article publishing site, a tool for making changes, corrections, creating or maintaining a project.

Introduction of wiki technology to the educational process:

- intensification of the educational process;
- introducing students to online resources that provide additional information on the subject being studied;
- formation of independent work skills;
- development of teamwork skills;
- increasing students' enthusiasm for learning the material.

Using wiki technology as a tool for creating collective creative projects is most effective.

Webquest is one of the new technologies for working with Internet information resources.

Webquest (from the English "webquest" - "search on the Internet") in pedagogy is related to business game elements that work with one or more websites and allow to perform a group educational task with the consulting help of a professor. is a technology for studying related problems.

The uniqueness of the web quest structure and the requirements for its individual components:

1. Introduction (description of the scenario of the quest, determination of the roles of the participants, presentation of the project work plan);
2. Assignment (determining the educational task and evaluation criteria);
3. List of information resources (links to text and multimedia materials on the Internet, website addresses);
4. Action manual (description of work steps to be performed by each research participant);
5. Conclusion (the experience gained by students during their work in web research is summarized).

Second Life virtual environment, Content Management Systems (SMS) virtual learning environment, Moodle learning environment and various other technologies, which creates a special environment for conducting business trainings, seminars and conferences in the formation of economic competence of future professionals, organizes an online educational process. allows to make and structure.

Moodle is a learning management system or virtual learning environment, also known as a course management system. It is a free web application that allows you to create websites.

The Moodle system has great opportunities for implementing the educational process of students in full and remote forms of educational process organization.

Moodle was developed and implemented in the educational process by the National Research Nuclear University "MTYAU" and its affiliates. The author of the study opened advanced training courses on management

studies in the online Mifist-Moodle system. The purpose of the Mifist-Moodle system is to create an information-educational space for organizing independent work of students based on electronic education.

This system provides the following features:

- creating and uploading files in various formats to the portal of the educational institution to include resources in the e-learning course;
- creation of the "task" element, which allows the professor-teacher to set an educational task for students;
- creating a forum element aimed at discussing the posted topics;
- to create a list of definitions for the professor-teacher and create a glossary educational element in the course;
- creation of a test element that is an electronic form of control. Automated testing allows the teacher to receive results immediately after testing, as well as to collect and store statistics on the results.

By analyzing the conditions for the use of information technologies in education, our study of the issue of providing software for the process of forming the economic competence of students made it possible to identify and describe the software products that are often used in the educational process. Among them:

- Microsoft Office application package;
- a set of economic programs;
- "Investment analysis-2.0" software product;
- Project Yehrer program;
- economic educational programs and systems;
- educational programs;
- test and control programs from the economy module;
- career-oriented audio and video files and multimedia educational programs;
- Internet information resources for educational purposes (search engines, references (dictionaries, encyclopedias, databases, etc.), electronic newspapers and magazines, educational resources);

- interactive internet resources (e-mail, web forums, chat); as well as web 2.0 technologies-Wiki and blog, Moodle, etc.

The use of information and communication and Internet technologies in the teaching of economic modules increases the motivation of students. The use of information and communication and Internet technologies provides new opportunities for improving students' creativity.

The purpose of using information and communication and Internet technologies in the teaching of economic modules is, on the one hand, to teach students the possibilities of teaching through information technologies, and on the other hand, to familiarize them with the hardware, instrumental and software tools of information technology in education. In the educational process, the following issues can be solved with the help of modern information and communication technologies:

- clarification of scientific pedagogical and methodological development in the conditions of modern information society based on large-scale communication and globalization;

- perfecting the creation of educational methods and organizational forms for the development of the learner's personality, the basis for selecting the essence of education in the conditions of a modern information society based on large-scale communication and globalization, according to appropriate issues;

- justification and creation of all stages of education in the application of information and communication technologies, including teaching methods and tools, innovative models and existing pedagogical technologies;

- it is necessary to develop a methodological system of teaching aimed at developing the intellectual potential of the student, which will enable the student to independently gather knowledge, collect, process, transmit, and store information resources;

- educational research, development of exhibition prototypes of electronic tools, including creation of software tools and systems.

## REFERENCES

1. Hamidov J.A. Bo'lajak kasb ta'limi o'qituvchilarini tayyorlashda o'qitishning zamonaviy didaktik vositalarini yaratish va qo'llash texnologiyasi. Ped. modul. dokt. ... diss. avtor. - T.: 2017. - 24 b.

2. Alimov A.A. Bo'lajak kasb ta'limi o'qituvchilarini shaxsga yo'naltirilgan texnologiyalar asosida innovatsion faoliyatga tayyorlash // p.f.d. ( PhD) dis.avtoref. ...T.-2018.-50 b.

3. Kadirov X.SH. Bo'lajak kasb ta'limi o'qituvchilarida mediakompetentlikni rivojlantirish texnologiyasi // p.f.d. (DSc) dis.avtoref. ...T.-2020.-80 b,

4. Лавина Т.А. Информационно-коммуникационная подготовка в системе непрерывного педагогического образования // Педагогическая информатика. - 2005. - № 2. - С. 41-50.

5. Фалевич Л.Н. Формирование экономических компетенций учащихся профессиональных училищ в современных условиях: дис. ... канд. пед. наук. - Санкт-Петербург, 2005. - 170 с

6. Usanov M. M. Opportunities Use Of Cloud Technologies In The Educational Process //Electronic Journal Of Actual Problems Of Modern Science, Education And Training-2020.

7. Mustafayevich U. M. Innovative technologies as a factor of development professional competence students //Web of Scientist: International Scientific Research Journal. - 2022. - Т. 3. - №. 7. - С. 199-203.

8. Усанов М. М. Таълимдаги булутли технологиялар //НамДУ илмий ахборотномаси-Научный вестник-НамГУ. - 2020.

9. Mustafayevich U. M. Using of Cloud Technologies in the Process of Preparing Future Specialists for Professional Activity //International Journal of Trend in Scientific Research and Development (IJTSRD)-2020.