



## **USING INFORMATION AND COMMUNICATION TECHNOLOGIES IN PEDAGOGICAL UNIVERSITIES**

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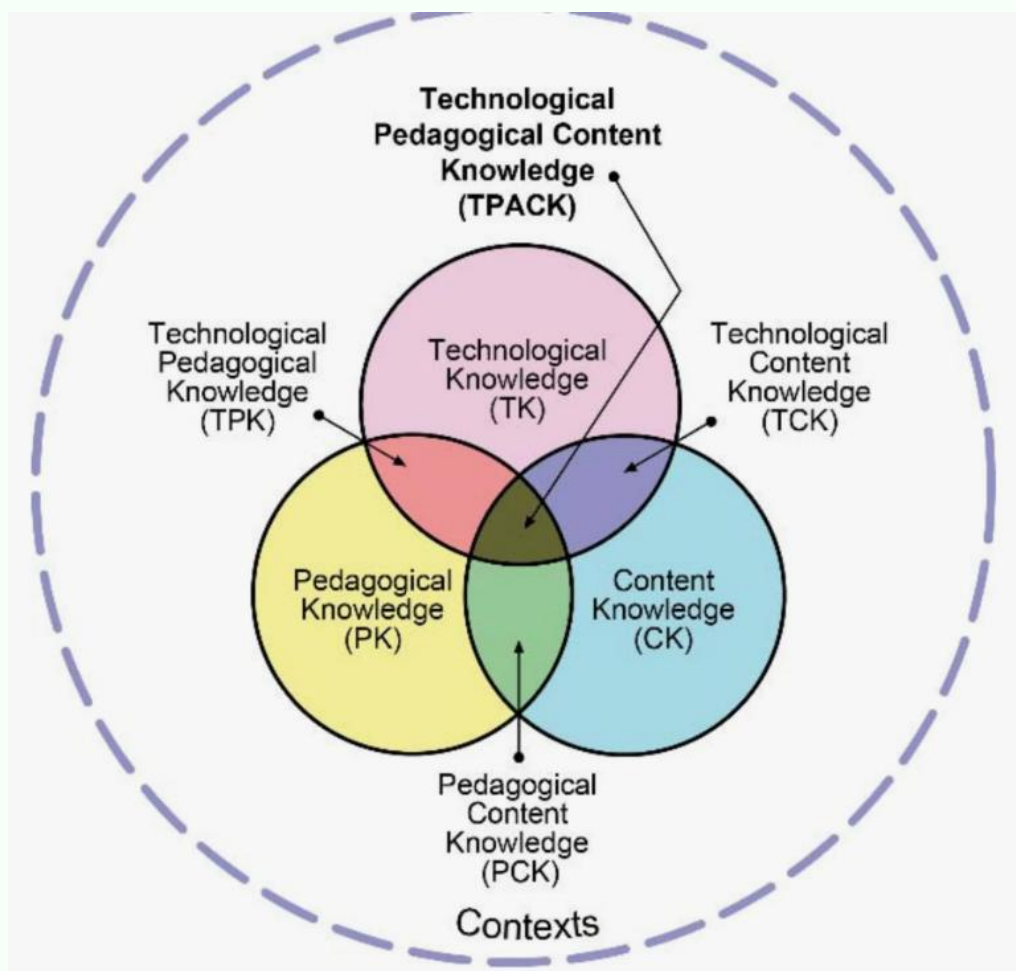
### **Abstract:**

This article discusses the issue of increasing the competence of students in the field of communication technologies. In the modern educational process, communication technologies serve as an important tool for active communication among students, knowledge exchange and team work. The article discusses the main functions of communication technologies that determine the competence of students, as well as teaching methods and requirements for higher educational institutions. The authors suggest using effective methods to improve students' competence, including interactive methods, online courses and practical exercises. In short, communication technologies can improve the competence of students and make them effective members of society.

**Keywords:** ICT, communication, online platform, artificial intelligence, diagnostics, email, instant messaging, Big Data storage, Zoom, Google Meet, Slack, innovation.

### **Introduction**

Students' learning of communication technologies is important for their professional development and integration into society. The widespread use of online resources in the modern educational process helps students develop high-level communication skills. Today, various platforms (Zoom, Google Meet, Slack, etc.) provide students with the opportunity to actively communicate. These platforms are very important for students to share knowledge, gain experience and work in teams.



Communication competence includes students' abilities to communicate effectively, work in a group and solve problems. These skills are necessary not only in academic activities, but also in future professional life.

Methods for increasing students' competence include the use of interactive methods in educational institutions, participation in online courses and seminars. They develop teamwork, creative thinking and problem-solving skills.

## Methods

Higher education institutions are developing effective programs to improve communication competence. Online events, seminars and conferences are platforms for developing individual skills of students.

## COMPONENTS OF ICT



### Cloud Computing

The term is generally used to describe data centers available to many users over the Internet. Large clouds, predominant today, often have functions distributed over multiple locations from central servers.

### Software

Software is a set of instructions, data or programs used to operate computers and execute specific tasks. This is a generic term used to refer to applications, scripts and programs that run on a device.

### Hardware

In the context of technology, refers to the physical elements that make up a computer or electronic system and everything else involved that is physically tangible. This includes the monitor, hard drive, memory and the CPU.

### Digital Transactions

Digital transactions can be broadly defined as online or automated transactions that take place between people and organizations—without the use of paper.

### Communications Technology

Communications technology, also known as information technology, refers to all equipment and programs that are used to process and communicate information.

### Digital Data

Digital Data is data that represents other forms of data using specific machine language systems that can be interpreted by various technologies.

### Internet Access

Internet access is the process of connecting to the internet using personal computers, laptops or mobile devices by users or enterprises. Internet access is subject to data signalling rates.

Increasing students' competence in communication technologies leads, first of all, to their professional development. The development of these skills is important for the effectiveness of modern education.

Communication technologies play an important role in modern education. These technologies make the learning process of students more effective and develop their communication skills. Communication technologies are necessary for students to actively communicate, be interactive in learning, and integrate into society.

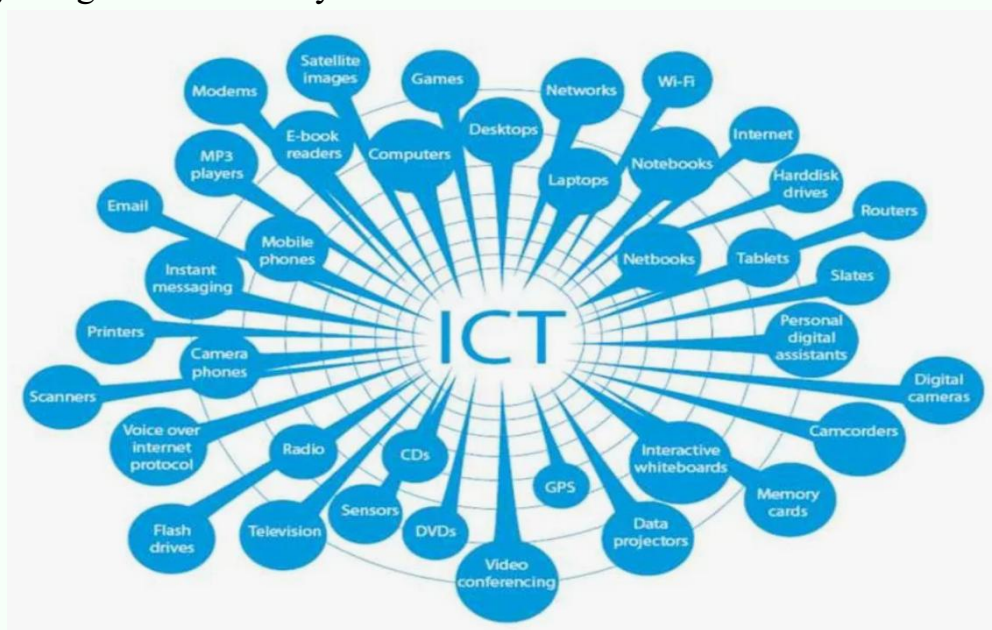
Today, students use various communication tools. Platforms such as Zoom, Google Meet, Slack and various other social networks are also effective tools for sharing knowledge, working in groups and implementing creative projects. These technologies help students express their thoughts, interact with others and solve problems.

A student's communication competence includes students' abilities to communicate, work in groups and think creatively. These skills are important for students not only to increase their efficiency in academic activities, but also in their future professional lives. Higher education teachers should identify students' competence, develop it and integrate it into student activities.

In order to increase students' competence in communication technologies, it is necessary to use interactive methods in educational institutions. This will help them work in groups, participate in seminars, complex projects, and engage students in teamwork and problem solving. Online courses and webinars also play an

important role in this process. They provide students with opportunities to stay informed, learn new skills, and expand their knowledge.

It is appropriate for higher education institutions to develop effective programs to improve communication competence. Online events, seminars and conferences allow students to develop specific skills. Educational institutions should also encourage students to actively participate in life, participate in community projects and express their opinions. Improving students' competence in communication technologies is important for their professional development. For modern education to be effective, it is necessary to develop these skills in students. Students can improve their personal and professional skills through these technologies and actively integrate into society.



Here are the main functions of communication technologies:

### **1. Information exchange.**

Communication technologies allow users to quickly and effectively exchange information. Information can be exchanged very easily via email, Instant Messaging, Telegram and other social networks.

### **2. Facilitating communication.**

Online platforms and devices allow users to communicate in real time. The availability of video conferencing and online chats makes it much easier to stay connected remotely.

### 3. Teamwork.

Communication technologies support active work in groups. Through programs and platforms, students and professionals can work on projects together.

### 4. Information storage and organization.

Programs and platforms allow you to systematize, store and find information at the right time. This helps to organize information in a convenient format for use.

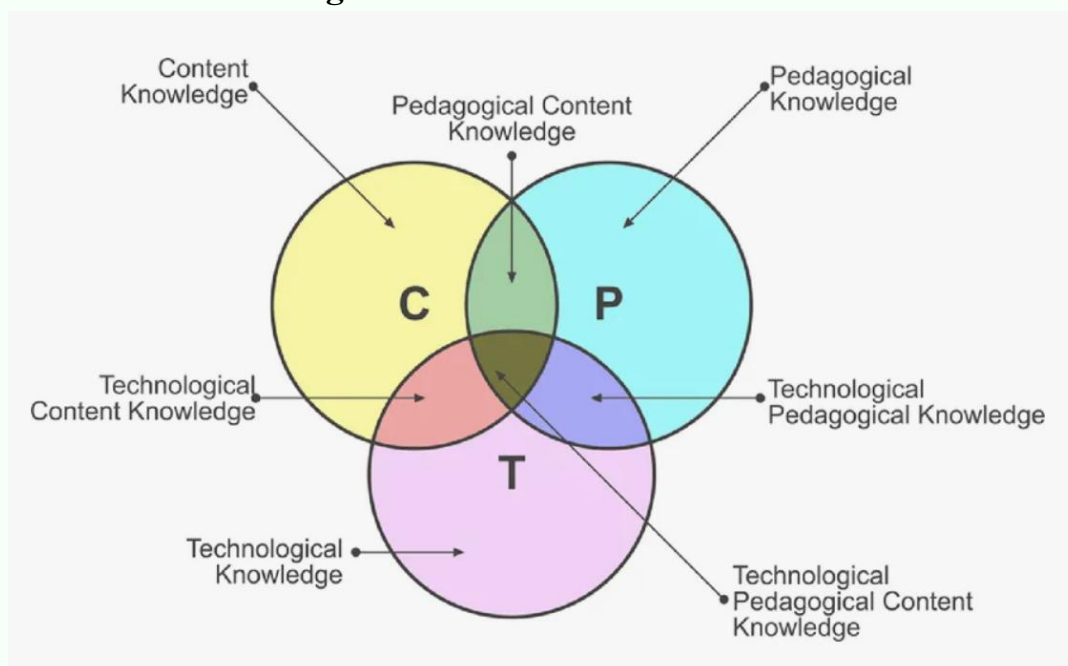
### 5. Exchange of ideas.

Ideas facilitate the process of exchanging ideas and experiences. Social networks, forums and blogs are used for this purpose.

### 6. Public relations.

Campaigns and organizations use communication technologies to communicate with their audiences. Such communication helps to effectively implement advertising and marketing processes.

### 7. Education and learning.



Communication technologies help improve the educational process. Online courses, webinars and interactive platforms allow students to learn effectively.



## **8. Personal development.**

Communication technologies provide people with resources, information, and opportunities to develop their personal and professional skills.

These functions make communication technologies an effective and important tool that greatly facilitates the work of students and professors.

The main functions of communication technologies are:

### **1. Information exchange.**

Communication technologies allow users to share information quickly and efficiently. Nowadays, information can be exchanged very easily through email and other social networks.

### **2. Facilitating communication.**

Online platforms and devices allow users to communicate in real time. The availability of video conferencing and chats makes it much easier to communicate remotely.

### **3. Working in groups.**

Communication technologies support active work in groups. Through programs and platforms, students and professionals can work on projects together.

### **4. Storing and organizing data.**

Programs and platforms allow you to systematize, store and find information at the right time. This helps to organize it in a convenient format for use.

### **5. Sharing ideas.**

Communication technologies facilitate the process of sharing thoughts, ideas and experiences. In many cases, social networks, forums and blogs are used for this purpose.

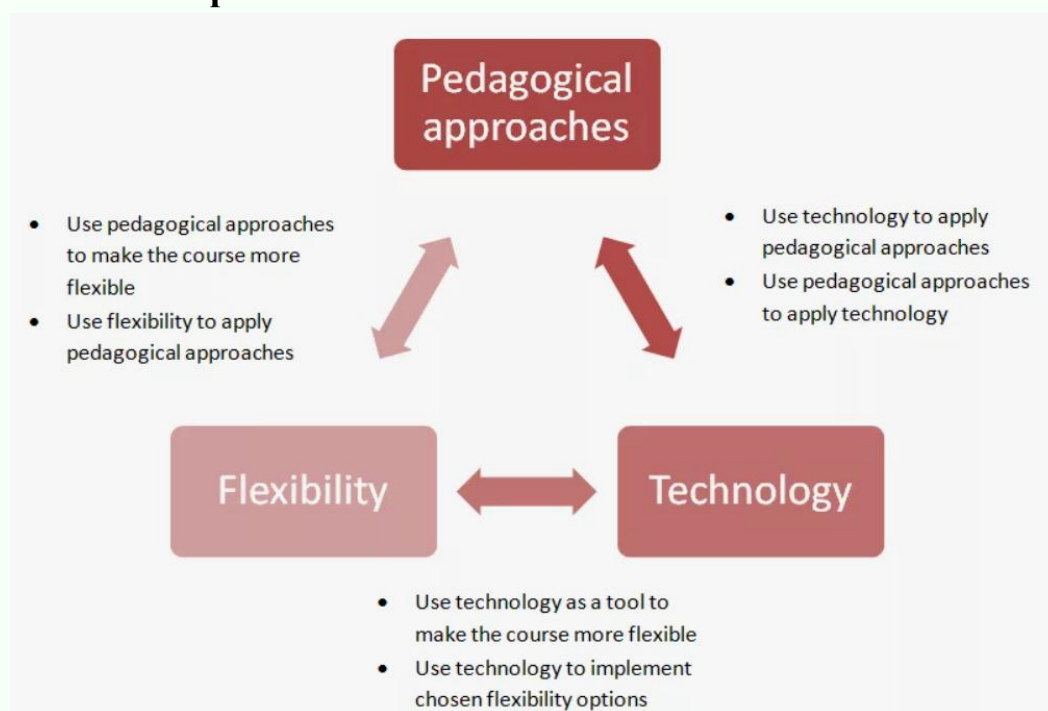
### **6. Public relations.**

Companies and organizations use communication technologies to establish contact with their audiences. Such communication helps to effectively implement advertising and marketing processes.

## 7. Education and learning.

Communication technologies also provide a very effective support for the educational process. Online courses, webinars and interactive platforms allow students to effectively learn knowledge.

## 8. Personal development.



Communication technologies provide people with resources, information and opportunities to develop their personal and professional skills. This personal development gives effective results.

These functions make communication technologies an effective and important tool, which greatly facilitates the activities of students and professionals.

Competence is the possession of the necessary knowledge, skills and abilities by a person to perform a specific activity. This concept is important in professional and personal development. The main components of competence are:

1. Knowledge: theoretical knowledge in the field of activity.
2. Skills: practical skills for performing difficult and specific tasks.
3. Abilities: psychological aspects such as problem solving, creative thinking and adaptation to change.

Competence is used in various fields, including education, work and social relations. Its development helps a person to effectively work and succeed in society. In conclusion, it can be said that improving students' competence in communication technologies is important for their personal and professional development. In the modern educational process, communication technologies are used as an effective tool for active communication, knowledge exchange and teamwork. Interactive teaching methods, online courses and practical activities for students through these technologies play an important role in developing competence.



Educational institutions and organizations should provide the necessary resources, programs and opportunities for the development of students' communication skills. This, in turn, helps students to succeed in social and professional life. Thus, communication technologies allow to increase students' competence and turn them into active members of society.

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