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INNOVATIVE TECHNOLOGIES FOR DEVELOPING TEACHERS' INDEPENDENT WORKING COMPETENCE

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Abstract: This article analyzes the role and significance of innovative technologies in developing teachers' independent working competence. The opportunities for improving teachers' professional activities through the use of digital technologies, interactive platforms, distance learning tools, and modern pedagogical approaches in the educational process are highlighted. In addition, effective methods for developing teachers' skills in independent learning, information searching, analysis, and practical application are presented. The research findings indicate that the rational use of innovative technologies is an important factor in enhancing teachers' professional competence, developing their creative thinking, and ensuring their continuous professional development.

Keywords: independent working competence, innovative technologies, digital education, pedagogical innovations, professional development, information and communication technologies, lifelong learning, teacher competence, pedagogical methods, learning activities, educational effectiveness.

Аннотация: В данной статье проанализированы роль и значение инновационных технологий в развитии компетенции самостоятельной работы учителей. Освещены возможности совершенствования профессиональной деятельности педагогов посредством использования цифровых технологий, интерактивных платформ, средств дистанционного обучения и современных педагогических подходов в образовательном процессе. Кроме того, представлены эффективные методы развития у учителей навыков самостоятельного обучения, поиска, анализа информации и её применения на практике. Результаты исследования показывают, что рациональное использование инновационных технологий является важным фактором повышения профессиональной компетентности учителей, развития их творческого мышления и обеспечения непрерывного профессионального роста.

Ключевые слова: компетенция самостоятельной работы, инновационные технологии, цифровое образование, педагогические инновации, профессиональное развитие, информационно-коммуникационные технологии, непрерывное образование, компетентность учителя, педагогические методы, учебная деятельность, эффективность образования.

INTRODUCTION. The profound changes taking place in the global education system require teachers not only to have a thorough knowledge of their subject area but also to continuously work on self-improvement and independently acquire new knowledge and skills. In particular, the rapid development of digital technologies has introduced new approaches to the educational process and has further increased the demands placed on teachers' professional activities. Therefore, the development of teachers' independent working competence is recognized as one of the pressing issues of modern education.

Independent working competence includes a teacher's ability to plan their own activities, search for new knowledge based on professional needs, analyze and generalize information, and apply it in practice. The development of this competence directly influences a teacher's professional mastery, the effectiveness of pedagogical activities, and the quality of education.

Today, innovative technologies are expanding teachers' opportunities for independent learning. Various electronic learning platforms, digital resources, mobile applications, and online courses create favorable conditions for teachers to continuously update their knowledge, study advanced practices, and improve their professional competencies. Through these technologies, teachers are able to access educational opportunities without limitations related to time and place.

From this perspective, studying the pedagogical potential of innovative technologies in developing teachers' independent working competence and ensuring their effective implementation in educational practice is of both scientific and practical significance. This article analyzes the role of innovative technologies in organizing and developing teachers' independent activities, as well as the effective aspects of their application.

Theoretical Foundations of Teachers' Independent Working Competence.

In the education system of the 21st century, the competency-based approach is recognized as one of the leading pedagogical concepts. The main goal of this approach is to develop competencies in both learners and teachers that enable them to effectively apply theoretical knowledge in practical activities. From this perspective, clarifying the essence and content of the concepts of "competence" and "competency" is of great importance.

In scientific literature, competence is interpreted as a set of knowledge, skills, abilities, experience, and personal qualities necessary for an individual to successfully perform a particular activity. While competence reflects a person's preparedness in a specific field, competency indicates the level at which this preparedness is demonstrated in practical activity. Thus, competency is determined by an individual's ability to appropriately apply existing knowledge and skills in real-life situations.

The concept of competency holds a special place in pedagogical activity. A modern teacher should not only possess deep knowledge of their subject but also be able to effectively organize the educational process, use innovative pedagogical technologies, establish effective communication with students, and continuously improve their professional activities. Such requirements demand that teachers consistently work on self-development and engage in independent learning.

Content and Structural Components of Independent Working Competence.

Independent working competence refers to a teacher's ability to independently acquire new knowledge, search for, select, and analyze information, and effectively use it in professional practice throughout their career. This competence is considered one of the key factors determining the professional success of a modern teacher.

Today, the rapid growth of information flow, as well as the continuous development of new pedagogical technologies and methodologies, requires teachers to engage in lifelong learning. Teachers are now expected to enrich their knowledge not only through professional development courses but also through independent learning. Therefore, independent working competence has strategic importance in a teacher's professional development.

This competence consists of several structural components. First, the motivational component includes a teacher's need for professional development, willingness to work on self-improvement, and interest in learning innovations. If a teacher lacks internal motivation, the process of independent learning is unlikely to produce the expected results.

The second important component is the cognitive component. It encompasses the teacher's theoretical knowledge, information literacy, and skills in using scientific and methodological literature. This component enables teachers to search for new information and critically analyze it.

The activity component is related to applying acquired knowledge in practice. It is reflected in a teacher's ability to introduce new methods and technologies into the teaching process, use innovative approaches, and independently solve professional problems.

The reflective component refers to a teacher's ability to analyze their own activities, evaluate achieved results, and identify existing shortcomings. Through reflection, teachers can recognize their strengths and weaknesses and organize their future activities more effectively.

The harmonious development of these components contributes to the formation of teachers' independent working competence and enhances the effectiveness of their professional activities.

The Role of Independent Work in Teachers' Professional Activities.

The modern education system requires teachers to possess a high level of professional competence. The continuous renewal of educational content, the introduction of digital technologies, and the widespread implementation of international educational standards necessitate that teachers consistently engage in self-development. In such conditions, independent work is considered one of the main tools for a teacher's professional growth.

Through independent work, teachers study new scientific and methodological literature, become familiar with modern pedagogical technologies, and apply advanced practices in their professional activities. This contributes to improving the quality and effectiveness of education. Furthermore, independent learning ensures teachers' professional adaptability and helps them become specialists who can respond promptly to changes occurring in the modern educational environment.

Another important aspect of independent work is that it develops teachers' creative thinking. During the process of independent inquiry, teachers encounter various challenges and seek new ways to solve them. This increases their readiness for innovative activities and enhances their professional skills.

In addition, independent work develops teachers' self-management skills, effective time-planning abilities, and capacity to analyze their professional activities. These qualities play an important role not only in professional development but also in personal growth. Therefore, the development of teachers' independent working competence is currently regarded as one of the priority tasks of pedagogical education and professional development systems.

The Importance of Innovative Technologies in Developing Teachers' Independent Working Competence.

Innovative technologies serve as an important tool for effectively organizing teachers' independent learning activities. They provide teachers with opportunities to independently enrich their knowledge and skills, search for and analyze new information, and use modern solutions to address problems that arise in their professional activities.

For example, platforms such as Moodle, Google Classroom, Coursera, and Udemy are widely used as resources that support teachers' professional development. Through these platforms, teachers can independently acquire new knowledge, improve their qualifications, and study international best practices.

Advantages and Challenges of Using Innovative Technologies.

The use of innovative technologies has a positive impact on teachers' professional development. In particular, opportunities for accessing educational resources are expanded, time is saved, the process of preparing educational materials is simplified, and teachers' motivation for independent learning is increased.

At the same time, certain challenges also exist. In particular, poor internet quality in some regions, insufficiently developed digital competencies, and limited technical resources may hinder

the effective use of innovative technologies. Therefore, special attention should be paid to preparing teachers to work with digital technologies.

CONCLUSION. The conducted analysis shows that the development of teachers' independent working competence is currently one of the important factors in improving the quality of education. A modern teacher should not only possess thorough knowledge of their subject but also be able to independently acquire new knowledge, study innovative approaches, and effectively apply them in practice throughout their professional career.

Innovative technologies serve as an important tool supporting this process. Various electronic platforms, digital educational resources, and online learning environments provide teachers with broad opportunities for self-development, enriching their professional knowledge, and studying modern pedagogical practices. As a result, teachers' skills in working with information, making independent decisions, and solving professional problems are enhanced.

Furthermore, the use of innovative technologies increases teachers' professional activity, encourages continuous inquiry, and contributes to the implementation of the principle of lifelong learning in practice. This, in turn, has a positive impact on improving the effectiveness of the educational process and ensuring high-quality learning outcomes for students.

Therefore, the purposeful and effective use of innovative technologies in developing teachers' independent working competence remains one of the priority tasks of the modern education system. The continuous development of teachers' digital and professional competencies will further contribute to the improvement of the education system.

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