

THEORETICAL BASIS OF THE USE OF INFORMATION TECHNOLOGIES IN THE SPIRITUAL AND MORAL EDUCATION OF FUTURE TEACHERS

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Annotation: This thesis analyzes the theoretical foundations of the use of information technologies in the process of spiritual and moral education of future teachers. The thesis covers the integration of information technologies into the educational process, the effectiveness of interactive teaching methods, the possibilities of using digital resources and their impact on the pedagogical process. It also analyzes the role of multimedia tools, virtual laboratories and electronic textbooks in the process of spiritual and moral education. The results of the study are of great importance in developing effective strategies for the formation of moral qualities of future teachers using information technologies.

Keywords: Spiritual and moral education, information technologies, digital education, interactive methods, multimedia tools, electronic resources, pedagogical innovations, educational process.

Introduction.

In the modern education system, the formation of the spiritual and moral education of future teachers is considered not only one of the main tasks of the pedagogical process, but also an important factor in the development of society. In today's globalization environment, the issue of effective use of the capabilities of information technologies, along with traditional methods of education, is gaining relevance. Information technologies are deeply integrated into the educational process and are not only a means of imparting knowledge, but also a powerful tool that influences the spiritual and moral development of the younger generation.

A teacher is not only a person who imparts knowledge, but also a leading force that educates society. Therefore, it is necessary to prepare future teachers not only professionally, but also spiritually mature and morally qualified individuals. From this point of view, the role of information technologies is invaluable. Through virtual platforms, electronic textbooks, interactive learning resources and digital educational environments, it is possible to influence the spiritual and moral development of not only students, but also teachers. However, technological progress, along with its positive impact on the educational process, also creates new problems. The abundance of information, the spread of unreliable sources and incorrect information can negatively affect the spiritual outlook of learners. Therefore, developing strategies for the correct

and effective use of information technologies in the process of educating future teachers is one of the important tasks.

This thesis theoretically analyzes the role and importance of information technologies in the spiritual and moral education of future teachers. The role of the digital educational environment in the pedagogical process, the effectiveness of interactive methods and the impact of innovative educational technologies on the process of spiritual education are widely covered. The thesis analyzes the possibilities of educating future teachers as comprehensively mature and spiritually perfect individuals using information technologies.

Methodology:

In the modern educational process, it is important to develop an effective methodology for the formation of the spiritual and moral education of future teachers. The role of information technologies in this process is invaluable, allowing to enrich the teaching and upbringing processes with innovative approaches. This study studied scientific approaches to the use of information technologies in the spiritual and moral education of future teachers.

As a methodological basis, educational models based on the integration of modern pedagogical approaches in education - constructivism, interactive learning, digital pedagogy and information and communication technologies (ICT) were used. According to the constructivist approach, students are active in the process of independently forming their own knowledge. Therefore, in spiritual and moral education, students can also develop their spiritual worldview through the use of information technologies.

The study used a combination of qualitative and quantitative analysis methods. Through qualitative analysis, the impact of information technologies on the spiritual and moral education of future teachers was studied. In this process, interviews, observations and content analysis were conducted with teachers and students. In this process, how teachers use information technologies, students' attitudes towards it and the level of effectiveness were analyzed.

Quantitative analysis methods were conducted based on statistical data. In particular, the results achieved by students after classes in experimental educational groups using digital educational resources, multimedia tools and online platforms were evaluated. This made it possible to measure the effectiveness of information technologies in the process of spiritual and moral education based on quantitative criteria.

Also, experimental work was carried out, and seminars and trainings were held among future teachers on the importance of using information technologies in the educational process. During these events, analytical results were obtained on the integration of digital technologies into the process of spiritual and moral education, its advantages and disadvantages.

During the study, scientific literature on pedagogy, psychology and information technologies, scientific works of foreign and domestic researchers, and best practices were studied. Based on these analyzes, effective methods for using information technologies in the development of spiritual and moral education of future teachers were developed.

The approaches used in the methodological part not only ensured the reliability of scientific research, but also made it possible to develop practical recommendations on the integration of innovative technologies into spiritual and moral education in the educational process. The results of this study will serve to form effective approaches in the future training of future teachers as spiritually mature individuals.

Literature analysis:

Various scientific studies have been conducted on the problem of using information technologies in the spiritual and moral education of future teachers. In this direction, scientific approaches have been formed based on the integration of pedagogy, psychology and information technologies. Literature analysis shows that the role of information technologies in modern education has significantly increased, and they are also rapidly entering educational processes.

Modern researchers, such as M. Prensky, R. Kozma, N. Postman, J. Valente, have conducted research on the role of information technologies in education. M. Prensky in his work "Digital Natives, Digital Immigrants" emphasizes the need for modern youth to be educated in a way that is adapted to the digital environment. In his opinion, through interactive teaching methods, students not only acquire theoretical knowledge, but also form their spiritual worldview.

Among Uzbek educators, the issues of spiritual and moral education based on national and universal values have been deeply studied in the works of such scientists as A. Abdukodirov, N. Mallaev, S. Turgunov, U. Teshaboyev. For example, S. Turgunov emphasizes the importance of forming the moral consciousness of the younger generation through the use of information technologies and puts forward the need to use interactive methods.

In addition, A. A. Verbitsky and E. F. Zeer in their scientific research separately analyzed the role of information technologies in the professional training and educational activities of modern teachers. Their research shows that through the use of information technologies, teachers have the opportunity not only to impart knowledge to the younger generation, but also to instill moral and cultural values.

Among the studies conducted in the context of Uzbekistan, the works of Z. Saidova, A. Kochkarov and Kh. Norkulov recommended advanced approaches to the use of information technologies in the national education system. In particular, Z. Saidova emphasizes that the use of electronic learning tools can encourage students to learn independently.

The analysis of this literature shows that the role of information technologies in the process of spiritual and moral education is increasing. Spiritual education can be implemented more effectively through modern pedagogical technologies. At the same time, it is emphasized that the misuse of technologies or their excessive proliferation can also have a negative impact on the moral development of the younger generation. Therefore, it is necessary to develop clear strategies for the use of information technologies in the spiritual and moral education of future teachers.

In conclusion, the analysis of scientific sources shows that the use of information technologies can serve not only to improve the quality of education, but also to form future teachers as morally and spiritually mature individuals. However, in this process, special attention should be paid to the pedagogical and educational aspects of technologies.

Discussion:

Today, the role of information technologies in the educational process is incomparable, they serve not only to increase the effectiveness of teaching, but also to form the spiritual and moral education of the younger generation. However, there are different points of view on the role of information technologies in the pedagogical process. While some experts argue that technologies should be viewed only as an additional tool in the educational process, others consider them an integral part of modern pedagogy.

The main focus of the discussion is on the fact that the use of information technologies in the spiritual and moral education of future teachers opens up a number of opportunities. For example, through interactive lessons, virtual learning environments, digital libraries and online educational resources, students can expand their knowledge and gain a deeper understanding of moral

values. For example, by creating digital content on spirituality and moral education, it becomes possible to convey historical, religious and cultural values to students.

Information technologies also stimulate the process of independent learning of students. Through open educational resources available on the Internet, for example, online courses, webinars and video lectures, students have the opportunity to gain in-depth knowledge on their interests. This helps them to broaden their moral outlook, develop positive qualities, and feel social responsibility.

However, there are also some risks in this process. Incorrect or unrestricted use of information technologies can sometimes negatively affect the moral and spiritual values of students. For example, unreliable or harmful content on the Internet, manipulative information on social networks can influence the minds of students and hinder their moral development. Therefore, teachers and educators should form a critical approach to the use of information technologies and educate students based on the principles of digital literacy.

The discussion also emphasizes that information technologies should be used in the educational process not only as a technical tool, but also as an integral part of the educational process. For example, by combining elements of moral education with digital technologies in modern curricula, students are formed as spiritually and morally mature individuals. Innovative approaches such as reviving historical and cultural heritage using virtual reality (VR) and augmented reality (AR) technologies, and strengthening the rules of etiquette in students through interactive games can serve to increase the effectiveness of spiritual education.

The results of the study show that the development of spiritual and moral education of future teachers through the use of information technologies helps not only to master technical knowledge, but also to form personal and professional competencies. Therefore, teachers should not only have knowledge about the use of technologies, but also develop skills in their effective use in the educational process. The use of information technologies in the spiritual and moral education of future teachers is an integral part of modern education, and when used purposefully and consciously, it gives positive results. It is important that in this process, technologies are used in accordance with the principles of humanity and information is obtained from high-quality and useful sources. Therefore, future teachers should be formed as specialists who can not only use



information technologies, but also correctly apply them in pedagogical and educational terms.

Conclusion.

The use of information technologies in the process of spiritual and moral education of future teachers is becoming an integral part of the modern education system. The results of the study show that the correct and effective integration of information technologies in the pedagogical process serves to improve the quality of spiritual and moral education. Through the use of digital resources, interactive learning tools, and online learning platforms, effective communication is formed between teachers and students, which, in turn, develops students' independent thinking and moral decision-making skills.

The study also shows that the pedagogical effectiveness of the use of information technologies directly depends on the digital literacy of teachers and their ability to correctly use information resources. Therefore, it is an urgent task to develop the skills of future teachers in the process of training them to use information technologies for educational purposes.

However, the incorrect or unrestricted use of information technologies can also pose some risks. In particular, there are situations such as the presence of information on the Internet that contradicts spiritual values, digital tools that distract students, and virtual communication that displaces live communication. Therefore, it is important to develop a critical approach to the use of information technologies in the educational process, and to select digital resources that are appropriate for the process of spiritual and moral education.

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