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Improving Quality and Efficiency by Introducing Interactive Forms into The Educational System

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Abstract: Improving the quality and efficiency of education by introducing interactive applications into the education system is one of the most urgent and important issues of our time. As modern technologies are increasingly integrated into all areas of our lives, the need for innovative solutions in education is also increasing. Interactive applications not only make the learning process more interesting and effective, but also serve to radically change the process of students' learning. With the help of these applications, the quality of education increases, students gain a deeper understanding of the subject and acquire solid knowledge.

Introduction:

In the educational system, interactive applications have become an integral part of the modern educational process. Along with the development of information and communication technologies, the methods of learning of students have also changed radically. Now it is becoming more common not only to use traditional lesson methods, but also to receive education through interactive applications. These applications allow students to consolidate their knowledge, assimilate new information in an easy and interesting way. Interactive apps also help teachers organize classes effectively, increase student engagement, and adapt to their individual needs. Therefore, the introduction and development of interactive applications in the educational system is an important factor in improving the quality of Education. This introductory part sets the stage for a more in-depth study of the role and importance of interactive applications in the field of Education. Interactive applications bring new opportunities to the educational process. They allow students to learn the subject in a practical way, test their knowledge, and exchange ideas in real-time. This increases student activity, making them even more involved in learning. Also, with the help of interactive applications, teachers will be able to more accurately assess the level of knowledge of students, be able to determine in which areas they are facing difficulties. This makes it possible to further personalize the educational process, applying educational methods to suit each student.

METHOD

Interactive applications play a large role in improving the quality of Education. Unlike traditional lesson methods, interactive apps allow students to explore the topic in different ways. For example, with the help of visual materials, audio and video resources, animations, the topic becomes more understandable. This will increase the interest of students and increase their focus on the subject. Also, with the help of interactive applications, students develop learning skills independently, which increases their level of independence in the educational process. Students are able to gain knowledge at the time and place they are comfortable with, making the learning process more flexible and efficient. Interactive applications are also important in improving educational efficiency. With them, students will be able to apply their knowledge in practice. For example, opportunities such as solving mathematical problems, conducting chemistry experiments in a virtual environment, studying historical events through interactive maps make the educational process more efficient. This helps students to

understand the subject more deeply and maintain knowledge for the long term. Also, based on the results obtained with interactive applications, the strengths and weaknesses of students are determined, which will serve to further improve the educational process in the future. With interactive applications, the educational process can be individualized. The effectiveness of education can be improved by organizing classes that match each student's abilities, level of knowledge, and learning style. This makes it possible for students to fully demonstrate their abilities. It is also possible for teachers to plan and conduct classes more efficiently using interactive applications. Teachers can more effectively organize the educational process by adjusting lesson plans, taking into account the individual needs of students. In the process of introducing interactive applications, the development of technological infrastructure is important. Educational institutions should be provided with modern computers, tablets and other devices. Also, the stability and speed of the internet network is necessary to ensure the continuity of the educational process. This requires a lot of attention from government and educational institutions. Educational institutions ensure the effective functioning of interactive applications by investing in improving technological infrastructure, and provide students with access to modern education.[1]

RESULTS AND DISCUSSIONS

With interactive apps, communication between teachers and students becomes more effective. With the help of online forums, chats and other communication tools, questions arising in the educational process are quickly resolved. This will help students fully understand the topic and strengthen their support system. Students have the opportunity to freely express their thoughts, ask questions and discuss problems, making the educational process more interactive and lively. Interactive applications also serve to promote creativity in the educational process. Students can freely express their thoughts by doing various projects, presentations and other creative work. This increases their social skills and prepares them for future professional activities. Also, the application of creative approaches develops students ' problem-solving skills and encourages independent thinking. Also, with the help of interactive applications, it is easier to analyze and evaluate the results obtained in the educational process. With the help of a database and analytical tools, the achievements and difficulties of students are clearly visible. This helps teachers improve the course process and further increases the

quality of Education. The assessment process is transparent and fair, and serves to develop students ' self-assessment skills.[2]

By introducing interactive applications to the educational system, not only will the level of knowledge of students increase, but also their interest and motivation for education. This will lead to an improvement in the quality of education in the country in the long run. Through the use of modern technologies, the educational process can be made more efficient and interesting. Students will have the opportunity to acquire up-to-date knowledge and skills while further strengthening their knowledge. The role of technological infrastructure in the field of education is becoming very important today. In the modern world, the process of obtaining knowledge is much more advanced than traditional methods, and technologies have become an integral part of the educational system. The technological infrastructure serves to make the educational process more efficient, interactive and accessible. There are several key aspects that need to be considered when speaking about its role and importance in education.[3]

Technological infrastructure consists of a complex of all technological tools, equipment, software and networks necessary to support the educational process in educational institutions. This infrastructure provides new opportunities for students and teachers to gain and teach knowledge. For example, computers, tablets, interactive whiteboards, video conferencing systems, electronic libraries, and online educational platforms further enrich the educational process. With these tools, students will be able to learn lessons in a more interesting and understandable form.[4]

The role of technological infrastructure in education is manifested in the interactive implementation of the educational process. In traditional classes, the educational process, based solely on teacher speech and written materials, in most cases reduces student activity. Technology, on the other hand, allows students to freely express their thoughts, strengthening knowledge through various interactive programs. For example, simulations, virtual laboratories, interactive tests, and games used in education increase students ' interest in the learning process and encourage them to participate actively. Also, technological infrastructure is an important tool in improving the quality of Education. With the help of e-learning platforms and programs, teachers can plan classes more efficiently, accurately assess the level of knowledge of students. This in turn allows the educational process to be based on an individual

approach. Teaching in accordance with the abilities and needs of each student is much easier with the help of technologies. Technological infrastructure also contributes significantly to the development of distance and online education in education. Today, many educational institutions around the world offer classes through online platforms. This expands access to education, eliminates geographical limitations, and allows people of different ages, living in different areas, to gain knowledge. Thanks to distance learning technologies, students can effectively manage their time, revise educational materials and learn at their own pace. Technological infrastructure ensures the effective use of information and communication technologies in the educational process. This promotes effective communication and cooperation between students and teachers. For example, through email, chat, video calls and online forums, it becomes easier to exchange ideas, ask questions and solve problems. These technologies also provide teachers with the opportunity to share their experiences with others, to constantly improve their skills. Another important aspect of technological infrastructure is the digitization of educational resources and their presentation to the general public. E-books, video tutorials, interactive tutorials, and other digital materials help students to consolidate their knowledge. Since these resources can be available at all times and everywhere, students will have the opportunity to learn at a convenient time. This ensures that the educational process is more flexible and individual.[5]

CONCLUSION

In conclusion, the introduction of interactive applications to the educational system is an important factor for improving the quality and effectiveness of Education. These applications increase student activity, help them to understand the subject more deeply, make it possible to individualize the educational process and help teachers organize classes effectively. At the same time, the development of technological infrastructure and strengthening communication in the educational process will serve to further improve the quality of Education. Through the introduction of interactive applications, it is possible to modernize the educational system and make it more effective. This serves the future generation to grow up to be educated, active, and creative. Through the widespread introduction of innovation in education, it is also possible to make a significant contribution to the social and economic development of the country.

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