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USING THE OPPORTUNITIES OF THE NETSUPPORT SCHOOL PROGRAM IN USING DIGITAL TECHNOLOGIES

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ABOUT ARTICLE

Abstract: This article provides an overview of digital technologies, digitization of education, opportunities, tasks and practical outcomes of NetSupport School. Also, the advantage of using the NetSupport School program in the organization of practical, seminar and laboratory training in the field of information technology was considered in Education. Today, the main task facing professors and teachers working in higher education institutions is to develop scientific researches, make effective use of modern information technologies and introduce advanced interactive educational technologies to students in accordance with the requirements of educational standards. providing quality education, continuously monitoring their activities and providing scientific and methodological support, teaching them to effectively use the flow of information and to work independently.

INTRODUCTION

A number of reforms are being implemented on the development of the higher education system, the Decree "On approval of the concept of the development of the higher education system of the Republic of Uzbekistan until 2030" on October 8, 2019 [1] is the legal basis of the reforms in this regard. is considered On October 6, 2020, the decision PQ-4851 "On measures to further improve the education system in the field of information technology, develop scientific research and integrate it with the IT industry" was announced [2]. The resolution states that improving the personnel training system in the field of information technologies is one of the important conditions for the successful

implementation of the "Digital Uzbekistan - 2030" strategy, the development of digital technologies and the wide implementation of them in the daily life of the population. Also, the decision stated that the measures taken to increase the efficiency of the system of vocational training and retraining in the field of information technologies are creating a solid foundation for providing state bodies and branch organizations with qualified IT specialists.

Today, the main task of professors and teachers working in higher education institutions is to develop scientific research, to provide quality education to students in accordance with the requirements of educational standards with the effective use of modern information technologies, and to continuously monitor their activities. is to go and provide scientific and methodological assistance, to teach to use the information flow effectively and to work independently. The introduction of advanced interactive educational technologies based on the effective use of modern information and communication technologies and tools, the creation of globally minded and highly professional personnel for a steadily developing economy in harmony with the continuous increase in the scientific and pedagogical potential and skills of professors and teachers. can guarantee preparation.

A new stage of development in the field was the signing of the President's Decree [3] dated October 5, 2020 "On the approval of the "Digital Uzbekistan-2030" strategy and measures for its effective implementation". The purpose of the adoption of the document is a successful transition to the digital economy, taking into account modern realities. After all, today the share of the digital economy in the country's gross domestic product is 2.2 percent. Therefore, the adoption of the "Digital Uzbekistan-2030" strategy and the "roadmap" for its implementation in 2020-2022 will, first of all, create the legal basis for the transition to the digital economy. The future and development prospects of education in the period of transition to digital society and digital economy are directly related to digitization processes. This, in its place, is the basis for the formation of new relations to science and education in society, based on digital technologies.

MATERIALS AND METHODS

The inclusion of digital technologies in the educational process creates the following possibilities: it expands the transparency, openness and systematicity of the educational process; significantly increases the possibilities of providing educational and educational knowledge and skills; provides work with large volumes of information; adaptation of a person to the modern information space and creates a foundation for the formation of an information culture; ensures that the educational process diagnostic and monitoring system is more effective; makes it possible to increase the quality of pedagogical work.

Today's educational initiatives are not only able to leverage technology to tailor content and create more engaging learning experiences for students, but they also provide ways to seamlessly incorporate on-the-job learning into the day-to-day work of professionals in their fields. . The

development of mobile communication, Internet services and information and communication technologies creates wide opportunities for digitalization of education [6].

In the field of digitization of education in this direction in our republic special attention is paid to the use of information and communication technologies. In the "Digital Uzbekistan - 2030" strategy, among other things, "... creation of a system of automation of education management and comprehensive analysis using modern information and communication technologies in the educational process..., ... higher "Laboratories for the application and study of the Internet of Things, robotics, artificial intelligence technologies in educational institutions in the relevant fields, as well as organizing the involvement of foreign enterprises in this field" and PQ-4996 of February 17, 2021 No. "On measures to create conditions for the rapid introduction of artificial intelligence technologies" in accordance with the "Digital Uzbekistan-2030" strategy and the rapid introduction of artificial intelligence technologies and their widespread use in our country in order to provide access to digital information and its high quality, to create favorable conditions for training qualified personnel in this field, "to provide access to information resources and knowledge in the field of artificial intelligence of local enterprises and specialists, as well as development of the necessary educational environment" are defined as priority tasks.

Digitization in education refers to the use of desktop computers, mobile devices, the Internet, software applications, and other types of digital technologies to educate students of all ages. Computer-assisted testing, online universities, e-books, and educational software are just a few examples of digitization of education today [9].

Digitization of the educational process is connected with the need for widespread introduction of innovative technologies, in particular, with the emergence of new requirements for the formation of basic competencies in future personnel and the formation of a new digital generation. In the international concept of education established until 2030 (SDG4), "creating opportunities for quality education throughout life" was defined as an urgent task. Digitization of the educational process can supplement, enrich and change education for the better. It can contribute to ensuring openness and equity in education, improving the quality of teaching and learning, and improving the skills of teachers, as well as improving governance with appropriate policies, technologies and opportunities. Modern generation - children of high technologies, paper and mass media are not interesting and incomprehensible for them. In this situation, the teacher should learn to adapt to the changing reality, acquire media competence in improving the educational process through media education. Because during the quarantine period of the Covid-19 pandemic that started in 2020 in Uzbekistan, along with the countries of the whole world, several (normative-legal, infrastructural and economic) problems of media education were clarified. Online classes were organized through television and on various

electronic educational platforms such as MOODLE, iSpring Learn, Google Classroom, ZOOM, and even social networks (Telegram) [7].

Many have come to the conclusion that online teaching is a more complex process than online information transfer. However, it is important to remember that it is wrong to assume that digital learning can be achieved through small changes and the use of new tools in the online environment. When it comes to digital transformation, it's not enough to just post lecture videos online, because there's a big difference between distance learning and a real digital learning environment. It's important to understand what needs to change to improve quality. Distance learning is usually an extension of a traditional in-person course, with key videos and resources available online for added flexibility. Digital education, on the other hand, requires transformers to completely rethink the content of digitization and how students interact with it. Today's youth cannot be stopped from Email, Whatsapp, Telegram, Facebook, Instagram, Tiktok, YouTube, Smartphones, computers and tablets. Today's student acquires, processes and shares information faster than ever before. Students are changing, and it's imperative that the education industry keeps pace with digital transformation.

Another important issue that needs to be addressed in the digitalization of education the issue is to increase the educational and research competence of the students their physiological indicators (physical condition, mood, health, It is a question of digitalization of person-oriented education, taking into account eating habits, etc. Bioinformatics research can be used to solve this problem [12].

The idea of a student's digital twin includes several components: information about the student's success, academic work, his achievements in competitions, competitions, hobbies (sports, art, healthy lifestyle, etc.) database that stores data; university portal and chatbot that collects student information, student surveys; The element of artificial intelligence is an auxiliary technology that allows the student to set goals (desired job type, position, average income) for starting a career trajectory and receive recommendations for building an individual education and personal development trajectory [8, 9].

RESULTS AND DISCUSSION

NetSupport School is a classroom management and teaching solution that maximizes the benefits of technology-based learning and empowers students to use audio, video, interactive tools, games and software. It provides many monitoring, control, collaboration and evaluation opportunities. NetSupport School works seamlessly across all platforms and devices, and is a software tool designed specifically for teachers and their classroom needs.

Education is now investing more in technology than ever before, and much is being done to manage and monitor its use, support teachers, and ensure quality student learning. NetSupport School is dedicated to classroom management for the education industry, enabling teachers to take full advantage of technology-based teaching and learning through best practices. It also provides

evaluation, monitoring, collaboration and control functions. The solution not only saves teachers' time, but also focuses students' attention and improves learning outcomes, regardless of their preferred learning style [5].

NetSupport's capabilities for working with classroom computers: the teacher can turn on and off all classroom computers from his PC; teachers can choose between three user modes: easy, medium and advanced to access features appropriate to their level; student computers automatically reconnect when restarted; when technical support is needed, the teacher can use the "Request Help" option with one click on the toolbar; teachers can use student feedback to gauge their feelings, confidence in the subject, and whether they need extra help.
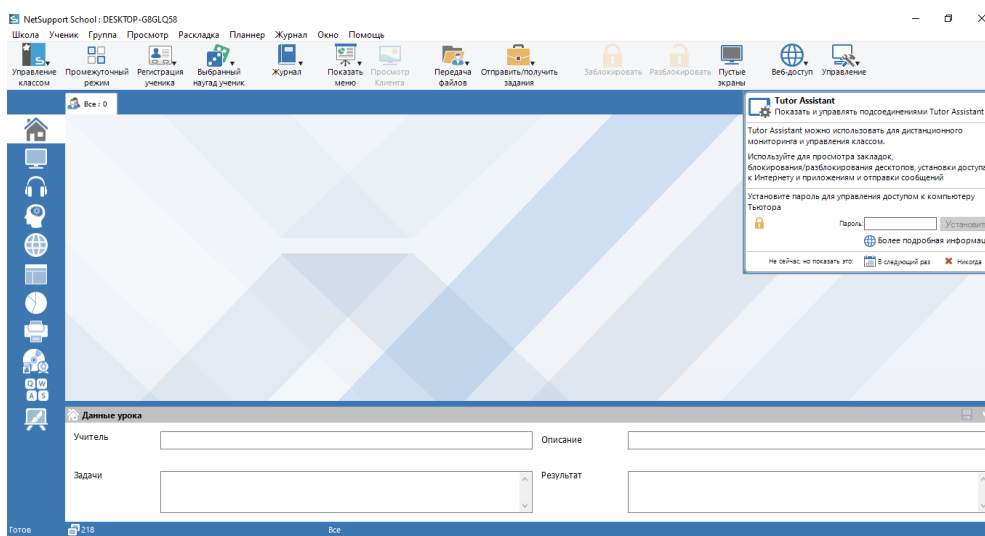
Printer and device management

- Prevent students from printing in the classroom.

- It is possible to limit the use of the printer by the number of pages.

- Teacher's permission is obtained before printing.

- It is possible to prevent the use of separate printers.

- Prevents copying to or from USB memory devices and CDR/DVD devices.

Share files

a) distributes files and folders from the teacher's personal computer to several student devices.

2) can transfer files to selected or multiple personal computers in one operation.

3) real-time feedback allows the teacher to know which students are ready for input and which students need reminders.

Management. Classroom management is all about managing students and their devices to maximize classroom time.

Monitoring. The ability to monitor student performance is the foundation of good learning management software. This not only ensures the concentration of students, but also serves as an important basis for effective implementation of work with programs.

Assessment: The more regular the feedback, the better the learning outcomes and the better the learner's knowledge for improvement. It will be convenient to evaluate all students in the class.

Ability to show desktop to students in real time

- It is possible to show the teacher's desktop to all or selected students.

- Restrict internet access to approved sites only in show mode.

- Show a special desktop to selected students

- Annotate the screen during a Show or Remote Control session using a range of tools (arrows, shapes, markers, text, etc.) to facilitate presentation.

- Show replay file (recorded video on previous screen) to selected students.

- Show video to selected students.

- Audio mode can be used to chat with students during the show.

- Your presentation can be optimized for wireless networks.

- Allows the teacher to broadcast his voice to all computers on the network during the presentation.
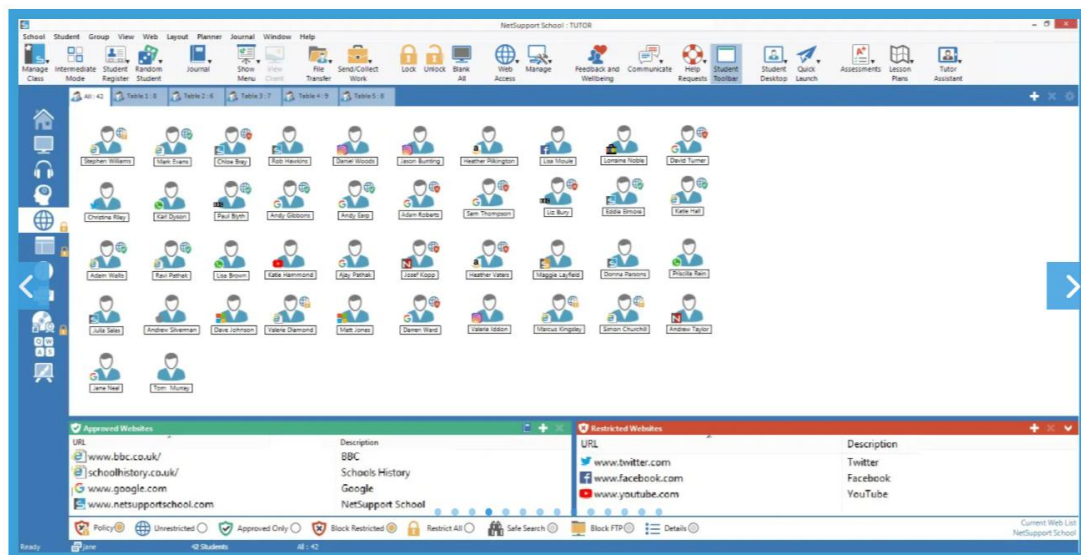
With the help of the student survey tool, the teacher can get immediate feedback from the students during the lesson or at the end of the lesson. This can instantly capture students' understanding of the subject. A teacher can send a question to all or selected students with a pre-defined choice of answers for them to vote on the correct answer or statement. Students' answers are compiled for the teacher. The results are shown as a percentage of the total and by each student. Results can also be shown to students in the form of a pie chart. Students can also be temporarily "grouped" by answers so that the teacher can immediately see who has chosen the same answer [11].

Question and answer module. The question-and-answer module is an exclusive collaboration tool that allows you to instantly assess your students' understanding of the lesson. Based on current classroom practices for continuous assessment of learning, teachers can ask questions orally to the

class, assess student responses, introduce new questioning techniques into the lesson, and develop assessment opportunities.

The module offers the following options:

First response. The teacher can choose the first answer and the fastest student will be prompted for the answer. The teacher confirms whether the answer is correct or incorrect and has the option to send the question to other listeners.

Enter the answer. The teacher pre-enters the answer to the question and the audience is asked for their answers. The results are immediately shown to the listeners and points are assigned or deducted.

Random selection. As an alternative to the first answer, the teacher can include a number of randomly selected students.

Team modes. Students can be placed into teams to compete against other teams for prizes. Teams can be randomly generated or students can choose a team to join. Each team member enters their answer and the team total is displayed.

Evaluation. This encourages students to comment on an answer given by a classmate. They indicate whether the answer is correct or incorrect, and the results are displayed on the teacher's screen.

Platform Flexibility This fully future-proof solution keeps pace with the latest platform developments and covers the changing IT landscape in schools by offering dedicated versions for all leading desktop and mobile platforms. Windows, Mac, Linux, Chromebooks, Android and iOS devices are supported.

NetSupport School's framework provides a simple mechanism to connect all students in the class. A teacher can search for and connect with students using PCs and pre-built student rosters, or automatically connect to various student information systems (including ClassLink One Roster and Google Classroom).

NetSupport School offers many time-saving benefits for teachers, such as an intuitive user interface with a variety of easy-to-use tools at the click of a button – allowing teachers to maximize their classroom time and focus on what they helps to keep them focused. Studying can be distracting. Teachers can also turn multiple PCs on and off, monitor multiple PCs from a central location in one view, send and receive files to all or selected students, and more.

NetSupport School provides tools to engage students to maximize learning time. Students can unlock and lock student screens for attention, and control printer and USB usage. They can quickly open or close apps or websites and control who accesses what and when, so learning time isn't lost. At the same time, students are notified of lesson information such as lesson topic, remaining time,

any rewards they have received from the teacher, learning objectives and expected outcomes through a dedicated student dashboard – helping them stay focused on the lesson.

By using best practices and tools to help students stay focused, educators are well on their way to improving student learning outcomes.

NetSupport School Support Software

- NetSupport School works in Terminal Server, Thin/Zero Client, Virtual Desktop, Multiseat and Shared Resource environments and is supported by Google Chromebooks and Android Tablets. Tutor Assistant app supported on iOS devices running 9+, Android 2.3 and above.

- Native Teacher app is supported on Windows 10 devices.

- Tutor for Android app supports Android tablets with version 4.0 or higher.

- Student for Android app supports most Android tablets with version 5.0 or higher.

- The NetSupport Browser App (iOS) runs on iOS devices running version 9.3.5 or higher.

- NetSupport School Tutor software requires a screen resolution of 1024 x 768 or higher.

- Synchronized multimedia player for WAV, MOV, AVI, MPG, etc. files [8].

CONCLUSION

In conclusion, NetSupport School is a very good program for teaching IT and all subjects. With the help of this program, the teacher shows the work with programs and laboratory exercises to the students on his computer and is reflected on the students' computers. When working with the program, the teacher explains what the students do not understand by logging into the student's computer from his computer. The teacher can refer to another computer whenever he wants. In general, if we teach using this program in the field of education, it will give good results in students' learning.

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