

The Effectiveness Of The Use Of Modern Innovative Technologies In Higher Education To Improve The Quality Of Education

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Abstract— *This paper explores the innovative learning by means of learning and vocational technologies and shows some main factors for their implementation.*

Keywords— Information, computer, software, education, innovation, technology, electronic textbook, electronic video textbook, pedagogical technology.

1. INTRODUCTION

Our country has gained some experience in increasing the efficiency of modern innovative technologies of "video lessons" in higher education, development and application of education based on modern ICTs and software. Therefore, given the obsolescence of traditional teaching methods, the use of "video lessons" in teaching with the use of ICTs and software is achieved through observation and analysis.

2. MAIN PART

An analysis of a comprehensive study of the higher education system in the Republic of Uzbekistan found that the integrity of theory and practice in the higher education learning process is not ensured, the quality control mechanism does not meet modern requirements.

The same is true of our observations in this direction, it turned out that students study subjects through the Internet in the process: a group of students mastered the subject matter more fully, more deeply, the second category of students, on the contrary, was understudied.

This is related to the choice of optimal online science information.

A situation where student and teacher work together after school hours requires higher productivity.

Based on the instruction, we conducted the following research in 3 areas of information technology:

- 1) research on the application of computer technology in professional medical education;
- 2) scientific research on the application of information technology in social and medical spheres.
- 3) scientific research into the application of computer technology in the medical industry and in manufacturing.

This is the main aim of our research: to increase the number of students. acting independently in an increasingly information-educational environment to demonstrate the effectiveness of modern information technology in the field was to apply and teach how to make wise use of the flow of information.

Increasing the independence of work and learning activities of university students in a modern educational environment, the development of their creative abilities requires the use of advanced innovative pedagogical technologies and a new generation of electronic video tutorials.

At the same time, the emergence of information and communication technologies today requires the development of new forms and means of knowledge transfer. One of these forms is the teaching of science by means of electronic learning resources.

Teaching through e-learning resources is pedagogical in nature in the literature called computer-based learning technologies.

The use of electronic video tutorials creates the following opportunities for students:

- Students using computer technology are great at solving quantitative problems quickly, saving time in analysing solutions and interpreting them graphically;
- the opportunity to work independently on the computer;
- fast and efficient control of students' knowledge.

The electronic video tutorial is a software and methodological aid for student learning, it helps students learn the material on their own and allows them to view a large amount of information and do more practical exercises, paying particular attention to the essence of scientific content.

An e-learning video tutorial cannot replace traditional teaching methods, but in addition it provides students with a basis for effective work with a set of practical examples and tasks.

The aim of creating modern e-lessons is to reflect the benefits of using video lessons in medical schools as well as the extensive use of modern information and communication technologies and multimedia.

In parallel, the process of creating an electronic video tutorial is created. In-depth knowledge of textbooks and information technology, 2 specialists "science teacher" and "specialist programmer" requires cooperation.

"Video Lesson". It can also be called by another name, or this name itself creates a lot of imagination. Now let's describe the process and then discuss what to call it. A great deal of progress is being made in classes at higher education institutions that train professionals in all fields using educational technology.

It is not a secret that efforts are being made to further strengthen and improve the quality of assimilation. However, experience has shown that some advanced pedagogical technologies are effective in teaching humanities. Recently, there has been a need to develop specific technology for teaching technical sciences.

In order to avoid such complexity, it is necessary to study the information repeatedly or listen to the information given by the teacher repeatedly. In practice, this is not possible.

"Is there an independent study?" You might say. Proper but independent education is a separate topic. Such problems can be solved with the help of modern information technology. "How?" you mean? The solution is very simple! A professor explains a teacher's lesson on a new topic and records part of the question and answer session on video. The resulting video consists of handing out a file to the students. Students can take this video lesson from their mobile device or in person. It can be viewed many times over and over again via the computer. It is one more time the lesson is heard in the classroom assimilate. Human Physiognomy deals with the analysis of a new topic after 15 minutes of listening. During the analysis time the teacher imparts the new information with less attention.

As a result, the efficiency of the students' full assimilation of the new topic will be lower. The video reinforces knowledge by repeating the lesson, and then the teacher answers questions that arise during the lesson.

Videotaping each lesson allows students to consolidate their knowledge over and over again throughout the course.

One little secret: we have been using this method in practice as a test in a small group on our own during lessons. The result is almost perfect! In conclusion, we want to say that by creating a video file of each subject in this style, we create a video archive of the lessons. The teacher is well prepared for a spontaneous video lesson so that the lesson does not become too noisy. Over time, a quality video lesson will emerge, to put it in modern terms, an 'offline video lesson'. A brief emphasis on the subject of independent work in our thoughts above has been given.

As the first President Islam Karimov has noted, "accelerated implementation of measures and projects in the field of information and communication and telecommunication technologies is becoming increasingly important.

We must be clear that it will be difficult to achieve our future goals in all sectors of the economy without making explosive changes that will have a radical and positive impact on the widespread adoption of modern ICTs in our daily lives.

In the short term, we must not only address the existing shortcomings of many information services but also join the ranks of advanced countries that have achieved high levels of information and communication technology adoption"[1].

It plays an important role in science, education, technology, geology, television, telecommunications, natural growth, medical and biological analysis through modern information and communication technology.

Video tutorials on all subjects will help you to choose the right measures to maintain and promote your health, not only in the medical field but also in the field of medicine. This electronic video tutorial is one of the best tools for learning these programmes. This program is useful not only in the field of information and communication technology, but also in developing video tutorials on topics in all fields. You need to use Camtasia Studio to create these electronic video tutorials.

Camtasia Studio is a powerful and functional utility for recording and processing every task that takes place on the computer screen.

Today, e-guides are widely used in schools, colleges, academic high schools, universities, organizations and institutions, and in any field that has incorporated information technology. Most students will be able to use computer programs independently and practically by watching this video tutorial.

3. CONCLUSION

In the 21st century, in the age of information and communication technologies and IT, the form of lessons, independent work in the form of video lessons will not only increase the efficiency of the education system but will also provide our country with highly qualified specialists.

4. REFERENCES

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