

Forms and Modular System of Improving the Technology of Improving the Quality of Education through Modernization

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ABSTRACT

The article discusses the improvement of technology for improving the quality of education through modernization, forms of improvement, increasing the effectiveness of education, mechanisms for facilitating the learning processes of students, modular forms for improving the quality of education according to research methodology. , processes of using a number of technologies based on the ordering and systematic analysis of the educational process.

In the state program for the implementation of the new Uzbekistan strategy "Year of attention to people and quality education", the tasks of improving technologies for achieving quality education in our country are defined [1]. One of the forms of improvement of such technologies is the modernization of the educational process. Here, we draw your attention to the analysis of the modular form of improving the technology of improving the quality of education through modernization.

In the process of conducting research, we studied and analyzed a number of works done by the scientists of our country in the process of modernization of the educational process. Including: B. Abdullaeva, R. Joraev, Kh. Ibragimov, S. Matchon, U. Mahkamov, U. Shermatova, Sh. Abdullaeva, M. Kuronov, G. Akromova, J. Yoldoshev, O. Musurmonova, In the researches of Sh. Mardonov, R. Safarova, the educational and educational significance of classical pedagogical views, in particular, the pedagogical foundations of the correct organization of educational processes through the medium of literature, the influence of fiction on human spirituality, research of pedagogical resources based on modern requirements specific theoretical views on achievement have been put forward. In the works of G.Mukhamedov, U.Khodjamkulov, Sh.Botirova, N.Koshanova, S.Toshtemirova, Sh.Abdujalilova, the theoretical issues and practical mechanisms of applying the cluster approach to pedagogical education, pedagogical teachings based on innovative approaches through the cluster of pedagogical sciences such issues as research have been researched, and the pedagogical views put forward in them form the basis of the concept of our research.

We will consider some of the following improvement, modular and systematic forms of improving the quality of education in terms of research methodology:

Interactive textbooks: Interactive textbooks use computer software, multimedia elements, and animations to provide interactive learning material for students. This allows students to master the lesson, understand the material they have learned, and test their knowledge.

Online Learning Platforms: Online learning platforms provide online delivery of lessons and information to students. Through these platforms, students will be able to study the lessons in their own time, by supporting the rail in their critiques. In this form, teachers can communicate with students online.

Multimedia Lessons: Multimedia lessons offer customized lessons for students in various subjects like Mathematics, Physics, Chemistry, History, etc. In this form, students can learn the material through video, audio, graphics, animations and other multimedia elements.

Virtual Learning: Virtual learning is any form of real-time learning, especially involving the use of virtual technologies and virtual reality. In this form, students can join lessons mastered in a virtual environment. Virtual learning technologies allow you to offer labs, classrooms, and even historical sites.

Mobile Apps: Mobile apps are apps that run on mobile devices to make learning and testing easier for students. These apps allow students to study, take tests, and review information on their own time.

Cloud Computing: Cloud computing technologies provide easy and secure data flight for students and teachers. In this form, information can be easily accessed via the Internet on any device and allows them to use customized educational resources.

Data analysis and assessment technologies: Data analysis and assessment technologies are used to monitor students' learning and evaluate their performance. This technology enables monitoring of educational processes for teachers and administrators.

These forms of improvement help to increase the efficiency of education, facilitate the learning processes of students and support the learning processes of information technologies. In this form, several methods can be used, such as interactive tools, online learning platforms, multimedia lessons, virtual learning, mobile applications, cloud computing, data analysis and assessment technologies that facilitate and test students' learning on their own time. This modern technology helps to improve the quality of education and make the process of learning professional knowledge of students more effective.

It is based on dividing the educational process into several modules and improving each module with technologies. The following modules can be important for improving the quality of education:

Learning Module: The most basic module that contains the learning process. Technologies such as interactive textbooks, multimedia content, online platforms and video lessons are used to improve the teaching module. This module provides convenience for teachers and improves students' understanding and mastery.

Test Module: A module designed for students to test and evaluate the material they have learned. Online tests, interactive tests and data analysis technologies are used to improve the test module. This module helps assess students' learning and independent work skills.

Coaching Module: A module that includes processes for managing and supporting learners. Communication applications, referrals and online feedback platforms are used to improve the coaching module. This module makes it easier for teachers to help students individually, give advice and develop the knowledge acquired by students.

Data management module: A module designed to manage the processes of data collection, storage and assimilation in the educational process. Cloud computing, data analytics, databases and data warehouses are used to improve the data processing module. This module makes it easy for students and teachers to retrieve, store and access data.

Collaboration Module: A module that includes learning and implementation processes for business and industry collaboration. Online public platforms, social networks and business analytics technologies are used to improve the cooperation module. This module helps students to learn the practical aspects of business, to develop business problem solving and community engagement skills.

Improving the quality of education in a modular form includes each module's specific goals and methods of working with technologies. Their combined use helps to make the educational process effective and efficient.

It requires the use of a number of technologies based on orderly and systematic educational process. Let's take a look at some of the following systematic forms:

Educational management system: An automated system of managing and organizing the educational process. This system allows teachers, students, and administrators to share information, create class schedules, organize grades, and communicate with others through computers.

Curriculum System: A system of structured programs and study materials for students. This system allows learning materials, textbooks, manuals, etc. to be stored electronically and uploaded for students. It also allows students to work with the program, check that they have completed the tasks, and evaluate the results.

Virtual Learning System: A system for creating connections between students and teachers in a virtual learning environment. This system provides virtual learning resources such as virtual classrooms, virtual labs, interactive tutorials, and more. Through this system, students will be able to join classes, apply, and participate in group discussions.

Online Learning Platforms: Online learning platforms are used to create a structured environment for students to study, interact and access information on their own time. These systems will consist of platforms that provide services such as classes, tests, communications, databases, etc.

Data Analytics System: A system for collecting, analyzing, and analyzing educational data. This system helps analyze student learning outcomes, grades, student-teacher relationships, teacher performance, and learning materials effectiveness. Based on this information, it is possible to control the educational process and organize independent learning.

Mobile Application System: A system of educational applications that run on mobile devices for learners. This system provides opportunities for students to facilitate learning and testing processes, solving tests, re-reading and mastering information. Students can study lessons on their own time and develop their student knowledge through these apps.

Summary

Modernization in a systematic form provides management of the educational process, systematization of communication between students and teachers, implementation of data collection and effective analysis of the educational process. These systems use technologies that make learning efficient, interactive, and at the same time convenient for students.

Based on the form, module and system of the educational process, the credit-module system of education based on the principle of freedom occupies an important place in the evaluation module of the mastering process, and this system provides wide opportunities for the

modernization of the educational process.

Thus, the modular form of improving the technologies of improving the quality of education through modernization has its own characteristics. Modernization of the educational environment, modernization of educational subjects, and modernization of the learning process are of great importance in this regard.

Books:

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