UPDATING AND MODERNIZING CURRICULA

Elov Olimdjon Komilovich
Navoi State University, " Geography and
Basics of Economic Knowledge." Lecturer
A'zamova Zebuniso
Navoi State University, 3rd-year student at "School Management.
E-mail: mr.olimdjon@gmail.com
https://doi.org/10.5281/zenodo.14326778

Abstract. This article provides an in-depth analysis of the issues related to updating and modernizing educational curricula. The incorporation of innovation and modern technologies into the education system plays a crucial role in improving the quality of education. The article examines new methodologies, innovative technologies, challenges arising during the modernization of curricula, and ways to address them. Additionally, it presents practical research and examples that highlight effective approaches to enhancing the efficiency of educational programs.

Key words: Updating Curricula, Modernizing the Education System, Innovative Teaching Methods, Digital Education, Competency-Based Education, Digital Technologies in Education, New Learning Methods, Creative Teaching Approaches, Enhancing the Effectiveness of the Learning Process, Strategies for Preparing Students

Introduction. The renewal and modernization of educational curricula are among the most critical aspects of today's education system. Changing social, economic, and technological conditions necessitate transformations in the learning process. The demands of globalization, competition, and alignment with modern requirements call for the updating of curricula. This process aims to enhance the competitiveness of young people in the modern job market while contributing to the social and economic development of society.

It is essential to focus on the development of Uzbekistan's education system in line with global standards. The process of modernizing educational curricula plays a vital role in ensuring students receive quality education and acquire the necessary skills for their future professional careers.

The article employs several methodologies to analyze the process of updating and modernizing educational curricula: ***Literature Analysis:*** Studying existing scientific and practical research on updating and modernizing curricula. This approach helps identify contemporary trends and best practices in the education sector. ***Observation:*** Monitoring the implementation of modern methods and programs in various educational institutions. This aids in assessing

changes in teaching practices, student engagement, and academic performance. ***Interviews:*** Conducting interviews with education professionals, teachers, and students to understand their perspectives, experiences, and needs. This process provides valuable insights for improving educational programs. ***Surveys:*** Administering questionnaires to teachers and students to gather their opinions and requirements. The collected data serves as a foundation for evaluating and enhancing curricula. ***Analytical Methods:*** Utilizing statistical and qualitative analyses of the gathered data to identify trends. This process is essential for assessing the effectiveness of educational programs.

The Importance of Educational Curricula Educational curricula are fundamental components of the learning process, as their quality determines students' knowledge and skills. Updated curricula offer significant benefits, particularly through the integration of **innovative approaches**: 1. ***Online Education*.** Online education allows students to access learning materials at their own pace and convenience. Through online platforms and courses, students can receive high-quality education regardless of their geographical location. **2. *Mobile Applications*.** Mobile apps play a crucial role in making the learning process more interactive and engaging. With smartphones and tablets, students can learn anytime and anywhere, making education more accessible. These apps also personalize the learning experience, catering to individual student needs. **3. *Interactive Learning Materials*.** Interactive materials are effective tools for increasing student engagement and making the learning process more enjoyable. These resources enable students not only to absorb information but also to actively participate by expressing their ideas, completing practical tasks, and solving problems. ***Benefits of Modernized Curricula*.** The integration of these innovative methods fosters a more dynamic and interactive learning environment. It enhances the teacher-student relationship and encourages active participation, ensuring students are better prepared for the challenges of the modern world.

Requirements and Standards for Educational Curricula Educational curricula must align with economic and social demands while addressing the needs of society. This ensures that students develop the skills necessary for their future professional activities. Curricula must adapt to evolving social and economic conditions, harmonizing the education system with modern needs and expectations. 1. **Economic Demands.** The development of the economy, the introduction of new technologies, and changes in the labor market necessitate updates in the education system. Curricula should be designed to meet the

demands of industries such as manufacturing, service delivery, and innovation. 2. **Social Demands.** In addition to economic needs, curricula must address the social and cultural requirements of society. Meeting these demands involves making education more inclusive, fostering a sense of social responsibility among students, and ensuring a fair and equitable approach to education. 3. **Impact on Future Careers.** When curricula are aligned with the social and economic needs of society, they equip students with the skills required for their future careers. This alignment not only helps students excel in their professional fields but also enables them to contribute effectively as responsible and active citizens. By incorporating both economic and social requirements, modernized educational curricula ensure that students are well-prepared for a rapidly changing world. This holistic approach supports personal growth, career readiness, and societal advancement.

Innovative Technologies in Education. The application of modern technologies in education significantly enhances student engagement and participation. Below are some key innovations and their impact on the learning process:

Blended Learning. Blended learning combines traditional face-to-face teaching with online educational resources, creating a more effective learning environment. **Face-to-Face Instruction:** Traditional teaching methods where students interact directly with teachers in a classroom setting. **Online Learning:** Utilizes digital resources such as video lessons, online quizzes, and interactive materials. **Benefits:** *Encourages active and independent learning. Adapts to students' personal needs and learning pace. Promotes a balance between guided instruction and self-directed study.*

Big Data in Education Big Data involves collecting and analyzing vast amounts of student data to optimize educational programs. **Applications:** *Monitoring student progress and performance. Identifying learning patterns and preferences. Enhancing personalized learning experiences.* **Benefits:** *Informs decision-making for educators and institutions. Improves education quality and system efficiency*. **Challenges:** *Ensuring data privacy and security.Maintaining high-quality data collection and analysis.*

Artificial Intelligence (AI) offers transformative potential for education by personalizing the learning process and supporting teachers. **Applications:** *Tailoring educational programs to individual student needs. Providing insights into students' learning styles and adapting teaching methods. Automating routine tasks like grading and feedback.* **Benefits:** *Enhances student motivation and*

engagement. Enables innovative pedagogical approaches. **Challenges:** *Teacher training on AI tools. Addressing security and privacy concerns.*

Teacher Training and Professional Development. The effective implementation of new methods and technologies depends on well-prepared teachers. Professional development programs, workshops, and training sessions are essential for introducing modern pedagogical techniques and technologies. **Modern Pedagogical Methods:** Shift from reliance on traditional textbooks to active learning models. Use of digital tools to enhance teaching effectiveness. Focus on developing students' critical thinking and independent learning skills. **Benefits:** Empowers teachers to deliver more impactful education. Fosters student-centered learning environments. By integrating innovative technologies and investing in teacher development, the education system can become more dynamic, inclusive, and aligned with the needs of the modern world.

Active Learning. Active learning is a pedagogical approach that allows students to actively participate in the learning process. In traditional teaching, the teacher delivers information one-way, and students passively receive it. In active learning, however, students actively engage in the lesson, ask questions, work collaboratively, and express their ideas. ***Main Principles: Interactivity****:* Students ask questions, participate in group work and discussions during the lesson. ***Independence****:* Students are given opportunities to work independently on tasks based on their interests within the learning process. ***Experiential Learning****:* Students learn by solving real-life problems. ***Benefits:*** Develops students' critical thinking skills. Increases engagement in the learning process and strengthens focus. Provides opportunities for students to consolidate their knowledge and apply it in practice.

Constructivism. Constructivism is the process by which students build and understand knowledge based on their own experiences. According to this method, students actively connect with what they are learning, gain experience, and form their own ideas. The teacher creates an environment that encourages students to construct new knowledge. ***Main Principles: Student Activity***: Students engage in practical activities related to the topics they are learning. ***Experience and Interaction****:* Knowledge is formed through experience, and students need to test their understanding in practice. ***Teacher Support****:* The teacher plays a guiding role in helping students acquire new knowledge and solve problems. ***Benefits:*** Develops students' problem-solving skills. Increases students' initiative and independence. Facilitates deeper understanding, as students test and apply knowledge in practice.

Mentorship System. The mentorship system enhances the quality of education by allowing experienced teachers to support newcomers. Mentorship enables teachers to share their expertise, leading to a more effective and high-quality educational process. **Core Principles of the Mentorship System:** ***Personalized Approach****:* In mentorship, it is essential to tailor guidance to the mentee's needs and abilities. The mentor identifies the mentee's individual goals, strengths, and weaknesses and creates a personalized development plan. ***Experienced Support****:* The mentor shares their knowledge and experience, providing valuable advice, skills, and resources. By applying the mentor's guidance, the mentee broadens their knowledge and develops practical skills. ***Continuous Communication****:* Consistent communication is crucial in the mentorship system. Regular interaction and advice between the mentor and mentee build trust and understanding, allowing the mentee to improve their learning process. ***Focus on Development****:* A mentor not only imparts knowledge but also supports the mentee's personal and professional growth. They help the mentee achieve their goals, solve problems, and develop essential skills for success.

Students' Abilities and Skills. Modern education programs aim to develop the following abilities and skills in students: ***Creativity.*** Creativity is the ability to generate new ideas, introduce innovative approaches to existing issues, and apply them in practice. Modern education places significant emphasis on creativity as it enables students to find novel solutions in various situations. **Key Methods to Foster Creativity**: ***Problem-Based Learning****:* Assigning students real-life problems encourages them to develop creative approaches. ***Interactive and Creative Methods:*** Using activities like games, creative project work, and brainstorming sessions in lessons to enhance creativity. ***Multidimensional Learning****:* Exploring one topic from multiple perspectives helps students develop diverse approaches and ideas. **Critical Thinking.** Critical thinking involves the ability to analyze problems and devise effective solutions. It equips students with the skills needed for decision-making and logical reasoning. ***Collaboration.*** Collaboration is the ability to work effectively in a group, exchange ideas, analyze issues together, and develop efficient solutions.

Modern education integrates collaborative activities to teach students teamwork, foster social skills, encourage creativity, and expose them to diverse perspectives. ***Importance of Collaboration:*** Enhances group work skills. Promotes peer learning and collective problem-solving.

Digital Skills. Digital skills involve the efficient and safe use of modern technologies, searching for and utilizing information on digital platforms, and applying new technologies in practice. These skills are crucial in education, workplaces, and daily life. **Key Areas for Developing Digital Skills: Using Software and the Internet Effectively**: Teaching students to use modern computer applications, office tools (e.g., Word, Excel, PowerPoint), and graphic design tools (e.g., Photoshop, Canva). ***Online Resource Utilization:*** Training students to search for scientific information, access online libraries, and use databases***. Online Learning and Remote Education:*** Equipping students with the ability to study on online platforms, participate in distance courses, and work with virtual classes. ***Familiarity with Educational Platforms:*** Teaching students to use platforms like Google Classroom, Moodle, and Edmodo, as well as video conferencing tools like Zoom and Microsoft Teams. ***Information Analysis and Evaluation:*** Helping students critically assess and select reliable information from the internet. ***Data Protection and Safety:*** Teaching online security principles, safeguarding privacy, and ensuring the safe use of digital tools.

By focusing on these areas, modern education prepares students for both current and future challenges in an increasingly digital and collaborative world.

Conclusion. This article analyzes the process of updating and modernizing educational programs, highlighting the significance of changes occurring in the education system. By incorporating modern technologies, implementing innovative methods, and developing essential skills in students, the quality of education can be significantly enhanced. The process of updating educational programs not only prepares students to be competitive in the modern job market but also positively impacts the social and economic development of society. Key Highlights of Modern Educational Programs. Integration of Technology: The successful implementation of modern educational programs relies heavily on the integration of innovative technologies, such as online learning platforms, mobile applications, and interactive teaching materials. Blended Learning and Advanced Technologies: Approaches like blended learning, Big Data, and Artificial Intelligence (AI) help personalize the learning experience and offer immense opportunities to improve educational efficiency. Role of Teachers and Modern Pedagogical Approaches. The professional development of teachers and their mastery of contemporary pedagogical methods are essential for the success of the education system. Methods such as: Active Learning: Encourages active participation and independent thinking.

Constructivism: Fosters understanding through hands-on experiences. Mentorship Systems: Supports collaborative learning and skill-building. These approaches aid in developing critical thinking, creativity, and teamwork skills in students. Beyond Technology: Addressing Economic and Social Needs. The article emphasizes that modernizing the education system should not be limited to technological advancements. Economic and social demands must also be considered. Adapting educational programs to meet societal needs and equipping students with skills for future professional success are critical. Broader Impact. Modernizing educational programs not only enhances students' knowledge and skills but also contributes to sustainable social and economic development. By adapting to the rapidly changing world and integrating innovations alongside new pedagogical methods, the education system can ensure growth and quality across all sectors of society. This dual focus on technological advancements and societal alignment positions education as a cornerstone for progress in an evolving world.

References:

1 Karimov M. I., 2020."Ta’lim dasturlarini yangilash va modernizatsiya qilish".
2. Azizov, J. N. 2021."Raqamli ta’lim va onlayn platformalar samaradorligi".
3. Abdullayev R. T., 2019. "O‘qituvchilarning kasbiy malakasini oshirish usullari".
4. Usmonov, K. X. 2022. "Ta’lim va iqtisodiyot o‘rtasidagi bog‘liqlik".
5. Rashidov, D. A. 2023."Xalqaro tajribada ta’lim innovatsiyalari".
6. Ismailova, S. M. 2020. "O‘quvchilarning kompetensiyalarini rivojlantirish usullari".
7. Komilovich, E. O., Xolboyeva, M., & Pirmamatova, N. (2023). MIJOZLARNING ONLAYN XARID QILISHDAN QONIQISHI. Educational Research in Universal Sciences, 2(17), 485-487.
8. Komilovich, E. O., & Azizovna, K. M. (2024). ELECTRONIC MONEY IN UZBEKISTAN AND THEIR SIGNIFICANCE TODAY. JOURNAL OF ECONOMY, TOURISM AND SERVICE, 3(5), 54-58
9. Elov, O. K., Xolboyeva, M. A., & qizi Pirmamatova, N. K. (2023). MOLIYAVIY SAVODXONLIK. Educational Research in Universal Sciences, 2(18), 167-170.
10. Элов, О. К., & Самадова, М. Б. (2023). ЗАВИСИМОСТЬ ОТ МОБИЛЬНЫХ ТЕХНОЛОГИЙ В КОНТЕКСТЕ ПОТРЕБИТЕЛЬСКОГО ПОВЕДЕНИЯ В ЦИФРОВИЗУЮЩЕМСЯ МИРЕ: О СТУДЕНТАХ ВУЗОВ. Educational Research in Universal Sciences, 2(16), 220-224.