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Features of Systemic education

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Abstract: This article examines how systemic education affects training, young people, etc. Bringing a person to this potential, realizing his intellectual potential is the most important task of the education system. Today, without the introduction of a modern education system, it is impossible to train personnel in accordance with the requirements of the time.

Key words: education, potential, rating, nanotechnology, synergetics.

Today, the concepts of the system approach and system analysis have entered almost all areas. The question of systems analysis and the systems approach is one of the most pressing issues of our time, since it is associated with logical and critical thinking. Today, it is very difficult to make progress without modern education. Today, it is a bitter truth to admit that the economy and education of Uzbekistan lag behind the educational system of developed countries for at least many years. According to general information on the position of Uzbekistan in the world ranking of the national movement "Ascent", our country ranks 79th among 203 countries in the international database on measuring and evaluating the impact of the education system in 2019. According to the index of well-being and sustainable economic development, it ranks 101st, according to the human development index - 105th. The strength to improve the quality and efficiency of education means that new approaches are needed. Today, in the world, almost all spheres are controlled by knowledge and intelligence. Today, humanity has made great progress in science and education. Today, in the age of information, the prestige of intellectual professions is increasing. Genetic engineering, robotics, nanotechnology, cosmology, biotechnology and many other fields are making such great advances that the human mind has such a wide range of possibilities. Synergetic methodology is an important direction promoting integrated education, which can become the basis of modern education based on a systematic approach. Today, the educational process in the world has advanced so far that now developed countries are able to achieve high economic potential only with intelligence, without spending any additional material and natural resources, without using any energy.

Just one example, if we look at the model of economic growth indicators of the United States from 1980 to 2010, which is considered one of the most developed countries in terms of economic growth, the aspect that has caught our attention is that this country has been growing in terms of GDP since the 1980s, with little to no energy consumption, that is, it has grown in terms of wealth. The main reason for this is only intelligence and knowledge. So today, by properly setting up modern education, it is possible to achieve economic growth without even spending a lot of effort and labor. At the initiative of the President of Uzbekistan, many reforms have been implemented since 2019 in order to ensure modern education in our republic. For example, Presidential schools, specialized schools, private educational institutions, reforms in the higher education system, etc.



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The manifestation of synergetic laws in education is reflected, first of all, in the provision of interdisciplinary integrated knowledge. Today, our education system includes such issues as deepening "STEAM-subjects" and "STEAM-subjects". What is PAIR SCIENCE? What kind of learning is meant by STEAM Learning Theory? naturally, the question arises. STEAM is an abbreviation for the initial letters of English words, namely: Science – science – science – technology – technology Engineering – engineering Arts – art Mathematics – mathematics "STEAM sciences" is a logical summation that unites several sciences, combining theory and practice. , and uses practicality in the educational process.

In fact, people and thinkers of Uzbekistan from the very beginning tried to learn and think logically in many areas. An example of this is the fact that our scientists, especially medieval Eastern thinkers, mastered all the social sciences. Therefore, the modern education system that we promote is a modern educational approach that proves the integration of disciplines, critical and logical thinking, constant development, constant improvement and the inevitability of stagnation in the educational process as part of energy education.

First of all, it should be noted that the educational process can be systematically considered as an integral system. The concept of a system is described in many scientific and philosophical literatures, and the essence of all of them is of a general nature. 1. A system is an object or a collection of objects consisting of elements. 2. A system is an object or a set of objects consisting of interrelated and organized elements striving for a single goal. 3. A system is an indeterminate set of interconnected, manageable elements that perform individual tasks and aim to achieve a single goal. This definition applies to complex systems. It is the complex systems that need to be studied in society that best illustrate the human definition.

The educational process we study is seen as a complex system. We can interpret the educational process as a complex system with synergistic laws. The educational process is a complex system, since it consists of interrelated and interstructural elements: preschool education, general secondary education, secondary specialized, vocational education, higher education, teacher, teacher, etc. These elements are combined in a hierarchical order and strive for one goal, perform the necessary functions to increase productivity. However, we need to be sure that today the educational process is really approached as a system that develops as a whole, and the development of each element in it is considered important for the development of the entire system? Or every element in the system moves?; Perhaps due to the fact that the educational process in Uzbekistan is not considered as an integral system, it is difficult to achieve a single national education system. We are in the education system, but is this really considered a modern education system?; Is each element in its composition reformed together?

Is each stage of the educational process carried out jointly and jointly to improve the level of education and ensure its quality? We believe that it is in our hands to find the answers to these questions. In education, it is impossible to achieve results by reforming only higher, secondary or preschool, vocational education. Any improvement can be effective only if it is applied uniformly from the lowest to the highest level of education. For example, in the following years, several modern reforms were carried out in the education system. Modular learning, distance learning, changes in assessment, etc. These world-class innovations are very good, but students who are completely unaware of these innovations wait at least a year to understand.



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In our opinion, if the innovation is adapted to itself at each stage of training and applied elementarily, then it becomes an integrated education, and the student entering the university pays more attention to the study of his specialty, without spending time on mastering the methodology or understanding the innovation. The goal is to look at the educational process as a real holistic system. Each system, first of all, has the property of integrity. That is, the integrity of the system lies in the fact that its essence as a system disappears when the individual parts are completed.

For example, when we talk about higher education, we mean a certain system of training highly qualified personnel. When it is divided into parts (e.g., teacher, student, department, faculty, rectorate, etc.) undermines its integrity and denies its essence as a system. The system is interdependent. That is, the elements and parts of some complex system should have a strong influence on the development of the system. An example of this is that the development of the educational process depends not only on higher or secondary education, but also on the development of each element of the educational system, the development of each educational level. The purposefulness of the system means that the system and its subsystems are focused on a single goal. For example, higher education and its constituent elements strive for a single goal - the training of highly qualified specialists. When we talk about the structural feature of the system, we can understand that the elements and parts that make up the system are organized according to some law and rule. For example, the organization of the educational process is organized on the basis of specific laws and rules of a particular society and country. Productive (efficiency, utility) characteristic of the system is one of the conditions for the existence of the system.

If the system does not work, then the system will disappear altogether, or the existence of such a system will only lead to excessive spending, useless behavior. This function is one of the most important in the educational process. It is necessary that each stage of education has a characteristic of the results. The quality of the education system is determined by its future, development and service to progress. The education system itself is considered one of the most important types and elements of the entire social system. The development of systematic analysis appeared in the middle of the 20th century. The system approach is applied to sets of objects, individual objects and their components, as well as the characteristics and integral properties of objects. For example, the modern educational process provided in higher education or in the system of general secondary education is singled out as an object of study. research and its problems, achievements and shortcomings, the activity of the elements that make up the system, etc., all parts are studied separately, carefully analyzed, and as a result of the analysis, a general, theoretical, practical conclusion is made.

No wonder the support of students and youth in our republic is considered at the level of state policy up to the issue of student housing and rent [1]. Many such reforms are under way. The main thing is that all efforts should be directed to the development of education. Since the middle of the 20th century, there has been a continuing development in the field of the system approach and general systems theory. The systematic approach is one of the important methodological principles of modern science and practice. Methods of the system approach are widely used in solving many theoretical and practical problems. With the system approach, the analyzed object is considered as a certain set of elements, the relationship of which determines the integral properties of this system. The main emphasis is on the inner part of the object under study, on its interaction with



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the external environment and environment, on the definition of emerging connections and connections. With a systematic approach to the educational process, the main emphasis is placed on the object of study, that is, on a certain stage of education (for example, higher education), and its characteristics such as communication with the outside world and the environment. , as a system, receives information from the outside and, in turn, gives information from itself to the outside world. The importance of applying a systematic approach to the educational process lies in the fact that education, being an open system, allows you to best organize this process on the basis of innovations and knowledge, national and world experience. Consequently, rational education is the potential of a guaranteed future.

In conclusion: **First**, a systematic approach to modern education is considered important in the implementation of integrated activities of all levels of education today. Identifies the main problems in the educational process, finds their starting point and offers solutions. **Secondly**, the systematic approach approaches the application of each innovation in the educational process on the basis of critical and logical thinking, develops theoretical and practical recommendations for adaptation to the domestic education system. **Thirdly**, a systematic approach to modern education is the most basic and important approach in the development of an educational system that meets the requirements of today's time, an analytical approach to importing education from developed countries and introducing it into the national education system.

References:

1. Resolution of the Cabinet of Ministers No. 132 of March 11, 2021.
2. Bogdanov A.A. Tectology: universal organizational science. Third edition, factory revised and expanded. -M., 1989. Electronic edition: Center for Humanitarian Technologies. - 07.10.2010. URL: <https://gtmarket.ru/library/basis/5909>.
3. L. von Bertalanffy. General Theory System: A Critical Review. In the collection of translations of studies on the system of general theory. M.: -Progress, 1969. p. 520.
4. Shadieva D. K. Organization of educational activity in Universities // Humanitarian tract. – 2019. – No. 43. – P. 40-41.
5. Moisev N.N. Mathematical problems of system analysis. M.: - Nauka, 1981. - S. 488.