

Problems of Developing Innovative Education

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Abstract: This article provides feedback on science, innovative ideas in the field of education, promising ways to use the tools. Along with the creation of an innovative environment in the system of continuing education in the country, the issues of innovative activities of educational institutions, the development of innovative education, trends and prospects, the implementation of innovative activities in the development of innovative education were discussed.

Key words: Innovation, science and technology, decrees, education system, dialectical teaching methods, US National Science Foundation, active innovation movement.

The main part

Today, the basis of sustainable development of any state is innovative activity. History has shown that man has come a long way with his intellect, from inventing the first tools of labor to inventing algorithms and nanoparticles, modern innovative computers, the sun, and other high technologies. At the same time, it has an impact on the education system, but also on the development of all sectors of society. That is why President Mirziyoyev has set a number of tasks to implement the ideas put forward by President Mirziyoyev to prevent this impact and the gap. "Today, we are embarking on a path of innovative development aimed at radically renewing all spheres of life of the state and society. This is not in vain, of course. Because who will win in today's fast-paced world? A state based on innovation wins a new idea. Innovation means the future. If we start building our great future today, we must start with innovative ideas, innovative approaches"¹.

From the first years of independence in Uzbekistan, special attention was paid to creating a solid foundation for the further development of science, leading scientific schools of the country, first of all, the largest and most important organization - the Academy of Sciences of Uzbekistan. The decrees and resolutions adopted by the first President Islam Karimov have become a special incentive for the consistent implementation of state policy in the field of science, technology and innovation in line with new historical realities. A number of regulations have been adopted to provide practical support for these incentives. The Decree of the First President Islam Karimov dated July 8, 1992 "On state support of science and the development of innovation" and the Decree of the Cabinet of Ministers of the Republic of Uzbekistan dated July 21, 1992 The Resolution "On measures to support the development of science and innovation through the state" is the first major document in the field of science and innovation. It is also worth quoting the words of the First President Islam Abduganievich Karimov: "The foundation of our future is laid in educational institutions, in other words, the future of our people depends on how our children are educated and brought up today"².

¹ Shavkat Mirziyoyev, December 22, 2017, from his speech in his address to the Oliy Majlis.

² Islam Karimov. "Uzbekistan on the path of independent development". –T.: "O'zbekiston", 1994.

Literature review and methodology

The process of creating and implementing innovations in the implementation of innovative activities of the educational institution also consists of certain cycles³. [3] From this point of view, the innovation process is a set of activities that are consistent over time, differing from each other, gaining functionally separate content at different stages, which are identical in importance. The fundamental ideas and knowledge that serve as the basis for innovation, their application in practice leads to the following results:

- identification of unpromising projects and making the right decision;
- further improvement in the process of implementation of innovative ideas;
- the ability to adapt the innovation to the technological features, the nature of the systems responsible for management and organizational activities. The functions of the use of financial resources of innovative potential are:
 - ensuring the availability of financial resources required for the introduction of innovations;
 - creation of conditions for adequate provision of financial resources for innovative processes;
 - Improving the implementation of innovation processes;
 - -create conditions and encourage the creation of innovations;
 - Assistance in the creation of innovative projects that meet the various needs associated with the functional functioning and development of the existing innovation system;

According to S.V. Kondratieva, there is a certain correlation between the level of a teacher's understanding of students and how it affects them. In a teacher with a high level of understanding, the character-forming effect comes first, while in a teacher with a low level of understanding, the disciplinary effect comes first.

The innovations that are put into practice are the result of public recognition. In this regard, we highlight the following global trends:

1. Democratization of the education system, ensuring continuity and continuity at all stages of the education system, strengthening the independence of educational institutions.
2. Creating equal opportunities for education for all segments of the population.
3. Socio-economic development poses new challenges to education. Along with education for vocational training, the development of education for one's own personal needs, not for future work, and so on.

Conclusions and discussions

The foundation of a prosperous future is the young people who are growing up today. Therefore, it is important for them to grow up with high knowledge and skills. Rapid changes in the socio-economic, political and cultural spheres in our country also require radical reform of the education system, because through a perfect education system, the future intellectual potential of the Republic and its prosperity and development will determine the youth. , is a key factor in educating them to work independently. Therefore, the most important strategic direction in education is the innovative activity of educational institutions. This has been one of the most pressing issues in all educational institutions, especially in higher education institutions that train creative, high-potential

³ Raxmonov, A. R. (2019). Innovative education cluster as an effective method of educational activities. ". International scientific-practical conference "Continuing education in sustainable development: problems and solutions", 2, 46.

professionals in the form of innovative technologies. In particular, today there is a growing interest in the use of innovative technologies, pedagogical and information technologies in education.

It is known that in the "National Training Program" ... the tasks of the goal of accelerating the education of the population and increasing its effectiveness in order for our country to become one of the developed countries requires the widespread use of advanced pedagogical measures and technologies. In the words of the first President I.A.Karimov, "As we step on the path of building a modern state based on a developed market economy and ensure a consistent transition from a strong state to a strong civil society, only national and universal values will prevail. We have always imagined that only people with a deep understanding of the need for flour, modern knowledge, intellectual potential and advanced technologies can achieve the strategic development goals we have set for ourselves"⁴.

Logical thinking based on innovative technologies is one of the most important factors in the development of a system of continuing education. They are reflected in a holistic system of various initiatives and innovations that lead to certain changes in the educational process, enriching the content, quality and effective organization of education. The rapid development of science, science and technology, the penetration of new techniques and technologies into all segments of society, the use of information technology in all governmental and non-governmental institutions require continuous education of teachers. The work of teachers is multifaceted and they have to play the roles of manager, communicator, mentor, organizer and evaluator⁵.

Indeed, understanding the need to reform the education system requires, in practice, the involvement of educational institutions in innovative processes, to see oneself in an innovative space where one can create oneself, and most importantly, to adopt concrete innovations.

Today, the traditional and mass forms of education and upbringing in the school and higher education system are being replaced by innovative processes in the development of educational institutions. Innovation (in- "lik", novus- "new") means to innovate, to innovate.

Education is one of the first in our country to launch an active innovation movement. At some point in the late twentieth century, such efforts were made. For example, the views of A.G. Rivin and V.K. Dyachenko on collective teaching, D.B. Elkonin, V.V. In addition, other innovative educational technologies: dialectical teaching methods (A.I.Goncharuk, V.L.Zarina), individual-oriented teaching (A.A.Yarulov), "Ecology and dialectics" (L.V.Tarasov), heuristic teaching (A.V.Xutorskoy) dialogue culture (V.S.Bibler, S.Yu.Kurganov), projected self-reflection (G.P.Shedrovitskaya)⁶ and others. Integration of science and industry, cooperation between private entrepreneurs and the state, support for international relations of small and medium-sized innovative businesses are important conditions for the development of innovation. It should be noted that in the developed countries of the world, almost half of the innovations are carried out by organizations, small and medium-sized businesses. For example, according to the U.S. National Science Foundation, the number of innovations implemented in small firms is much higher than in medium and large firms per unit of cost. In addition, small firms are about a third more advanced than large firms in terms of innovation and consumer delivery.

⁴ From the speech of the First President IA Karimov at the International Conference "Education of a highly educated and intellectually advanced generation - the most important condition for sustainable development and modernization of the country." - Tashkent, February 17, 2012.

⁵ Barakayevich, Q. S., & Bakhtiyorovna, A. S. (2021). Creating an innovative learning environment based on international program students. Integration of science, education and practice. scientific-methodical journal, 1 (02), 132-137.

⁶ Elmurzaeva, N. K., & Qoraev, S. B. (2021). Pedagogical Requirements for the Organization of the Educational Process in Specialized State Educational Institutions. Journal of Psychology and Education, 58 (1), 1078-1084.

World experience shows that only in countries with a well-developed innovation system, innovation processes are carried out effectively, and technologies and other advanced products are commercialized. The participation of the state in this process, the real sector of the economy and the support of innovative activities of leading companies are important. After all, science is the basis of this integration mechanism, which ensures the technical progress of the state and the socio-economic development of society.

Conclusion

In conclusion, it should be noted that if today innovative technologies are successfully applied in science and education, if the new generation grows up on the basis of this world experience, the future of our country will be bright. there is no doubt.

It is well known that the introduction of innovations in the educational process affects the quality of education. Educational institutions that form innovative groups are competitive. This, in turn, serves in the organization and integration of various programs. Institutions that form innovative groups are leaders, which means the active participation of educational institutions and strong external relations with foreign partners. These institutions are convenient, that is, they provide security and are distinguished by a complete infrastructure (medical, sports, media library, psychologist-pedagogical supervision, information center, etc.). At the same time, institutions also effectively carry out innovative activities, that is, develop new organized technologies, new programs and methods. We can divide these into groups as follows:

The first group:

1. Innovations in the purpose and content of education;
2. Innovations aimed at changing the methods, tools, techniques, technologies used in the pedagogical process;
3. Innovations aimed at changing the forms and methods of education and upbringing;
4. Innovations aimed at changing the organization and management of the management of the educational institution, teachers and students;

The second group:

1. Non-interrelated innovations related to a single, specific educational institution;
2. Complex, interconnected innovations;
3. Systematic innovations that fully cover the education system and can be applied to all educational institutions.

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