

THE IMPACT OF MODERN EDUCATIONAL PROGRAMS AND TRAINING ON HUMAN CAPITAL DEVELOPMENT

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Abstract: Human capital is an important factor in the economic and social development of society. Educational and professional development programs have great importance in the formation of human capital. This article analyzes the historical development of the concept of human capital, the role of modern educational programs and professional development in the development of Human Capital.

Keywords: human capital, educational programs, training, innovative education, STEAM education, digital technologies, economic growth, international experience, labor market, professional development.

Human capital is an important economic resource that represents a person's knowledge, skills, experience and potential. Today, in the conditions of global competitiveness, the development of human capital has become one of the most important tasks for organizations and countries. Modern educational programs and advanced training are the main tools for the development of human capital. Through them, the professional skills of employees are improved, their innovative abilities are developed, and the overall efficiency of the organization increases.

The first ideas about human capital were expressed in Adam Smith's work "The Wealth of Nations" about the increase in the social productive forces of knowledge. At the end of the 19th and beginning of the 20th centuries, during the processes of industrialization, education systems were modernized, which served to expand human capital. For example, the development of an interregional education system in the United States helped to improve the skills of workers. Such examples can be cited from the history of many countries.

The concept of human capital was first developed in the 1960s by economists Harry Becker and Theodore Schultz. They compared human capital to financial investment and emphasized its enormous impact on economic growth. Schultz believed that education and training were the main factors in the formation of human capital. In his 1964 work "Human Capital: A Theoretical and Empirical Analysis with Special Attention to Education," Gary Becker considered education and training as an investment in human capital¹. He believed that through education and training, individuals' productive capabilities increase, which contributes to economic growth.

Modern scholars, such as Thomas Piketty and Robert Lucas, have studied the importance of education in the development of human capital in more depth and emphasized its impact on social and economic stability. In his work "Capital in the 21st Century", Piketty emphasizes the important role of the education system in reducing inequality in the world, and the significant contribution of a qualified workforce to economic growth. The research conducted by a number of researchers in our country on the development of human capital is also of great importance. In

¹ Bekker, G. S. (1964). Inson kapitali: Ta'limga alohida e'tibor bilan nazariy va empirik tahlil. National Bureau of Economic Research.

particular, Niholakhon Ahmadaliyeva, a senior lecturer at the Tashkent State University of Economics, in her article "Directions for developing the education system in increasing the human capital index", emphasizes that the human capital index can be increased by developing the education system. In her opinion, by improving the quality of education and access to it, the economic and social development of society can be achieved².

Improving the skills of employees is also one of the important aspects of human capital development. In her article "The role of training and development of employees in increasing human capital", Dilnoza Ganieva, a researcher at the Department of "Human Resources Management" of Tashkent State University of Economics, emphasizes that organizations can increase their efficiency by improving and developing their skills. In her opinion, updating the knowledge and skills of employees ensures the competitiveness of the organization³.

Having considered the role of training and advanced training in the development of human capital from various aspects, Malika Babadzhanova, a teacher at the Department of "Fundamental Economics" of Tashkent State University of Economics, analyzes how the development of the educational services market affects the development of human capital. In her opinion, it is possible to increase human capital and achieve economic growth by developing the educational services market⁴.

Unlike traditional learning methods, modern educational programs include interactive methods, online platforms, and individual approaches. For example, leading universities such as the Massachusetts Institute of Technology (MIT) and Stanford provide free education to millions of students around the world through MOOC (Massive Open Online Courses) platforms.

The main features of modern educational programs:

- Flexibility - students can plan their time independently;
- Innovation - the use of technologies such as virtual reality (VR), artificial intelligence (AI);
- Practice-oriented - practical application of knowledge through real projects and case studies.

Advanced training is an important part of human capital development. Modern corporations, such as Google and Microsoft, regularly organize advanced training courses and trainings for their employees. This helps employees to familiarize themselves with new technologies and methods, as well as increase their work efficiency.

For example, Google, through its Google University program, provides employees with the opportunity to improve their knowledge in various fields. This contributes to increasing the company's level of innovation.

Modern education and training programs help to achieve the following results by developing human capital:

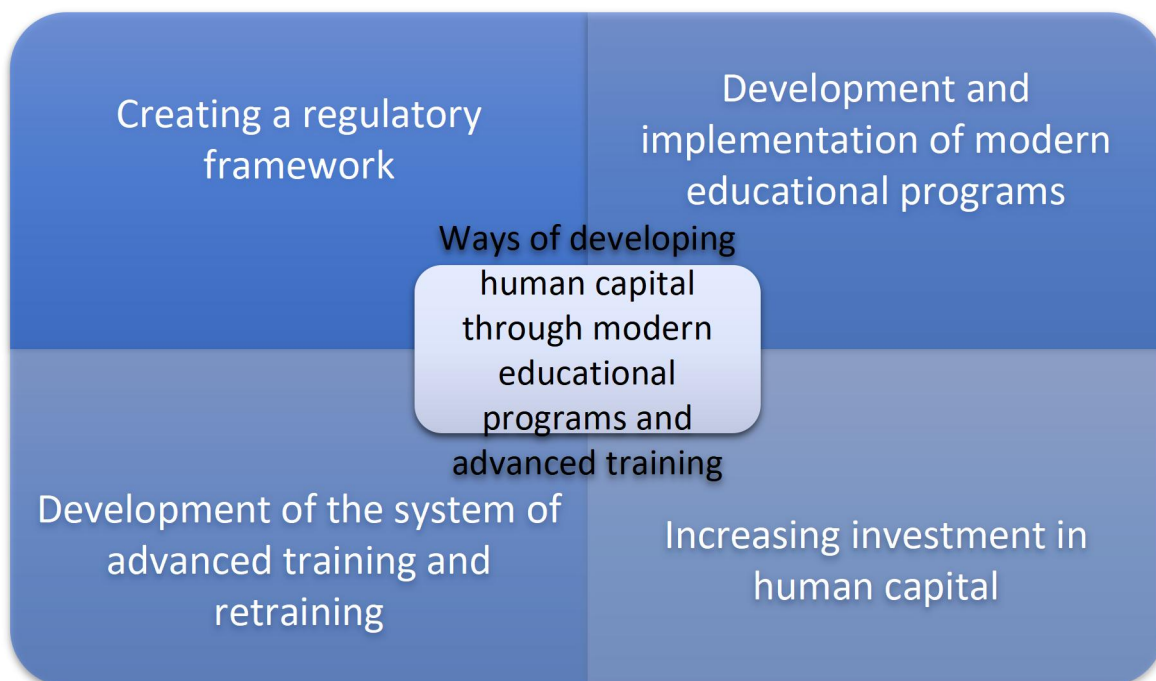
² <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/12>

³ <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/10>

⁴ <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/4>

- Employee productivity increases.
- The introduction of innovative ideas and technologies is accelerated.
- The level of competitiveness of the organization increases.
- Employee satisfaction and loyalty in the workplace increases.

Figure 1. Main ways to develop human capital through modern educational programs and professional development.



The education and training system plays an important role in the development of human capital. In this regard, it is necessary to implement a number of strategic directions.

First, appropriate laws and strategies should be developed to develop the education and training system. The quality of education can be improved by studying international experience and integrating it into the national education system. It is also important to establish cooperation between the public and private sectors to introduce innovative educational programs.

Second, the introduction of STEAM (Science, Technology, Engineering, Arts, Mathematics) directions into education plays an important role in the development of modern educational programs. The creation of interactive educational platforms based on digital technologies and the expansion of distance and hybrid learning systems will serve to improve the quality of the educational process.

Third, special attention should be paid to improving the skills of employees. In this regard, it is necessary to develop special training programs, organize continuing education and professional development programs in public and private organizations, and strengthen cooperation between higher education and the business sector.

Fourth, modernization of the educational infrastructure is also an important factor in the development of human capital. It is necessary to expand access to education by providing grants and scholarships for the development of science and innovation, and by introducing social protection programs.

The implementation of these measures will serve the growth of human capital and make a significant contribution to the economic and social development of society.

The development of human capital is one of the main pillars of modern society and economy. Modern educational programs and training methods are the most effective tools for the development of human capital. They increase the economic potential of not only individuals, but also entire organizations and countries. In the future, achievements in the field of education and training will serve to bring human capital to an even higher level.

List of used literatures:

1. Bekker, G. S. (1964). Inson kapitali: Ta'limga alohida e'tibor bilan nazariy va empirik tahlil. National Bureau of Economic Research.
2. Abdullayev A.J. (2024) Oliy ta'lim muassasasida tahsil oluvchi xorijiy talabalarning oliy tibbiy ta'limdan qoniqish indeksiga ta'sir etuvchi omillar tahlili. "IQTISODIYOT VA TURIZM" xalqaro ilmiy va innovatsion jurnali 6 (20), 125-133.
3. Солиева, М. А., & Абдуллаев, Ж. Ж. (2016). The role of managerial culture in Organizations: Enterprise manager culture and its social and economic impacts. Молодой ученый, (7), 986-989.
4. Ruziyeva, D., & Abdullaev, J. (2017). IMPACT OF INFORMATION TECHNOLOGY IN THE ECONOMY. Відповідальний за випуск, 40.
5. Ruziyeva, D., & Abdullaev, J. (2017). BIG OBJECTIVES OF SMALL BUSINESS. Відповідальний за випуск, 178.
6. Abdullaev, J. (2021). SOME ASPECTS OF LEGISLATIVE ACTIVITIES OF INTERNATIONAL ORGANIZATIONS IN THE FIELD OF COPYRIGHT AND RELATED RIGHTS. Інтернаука, (18-4), 51-54.
7. Mamurov, B. J., & Abdullayev, J. J. (2022). Aholi jon boshiga umumiy daromadlarga ta'sir qiluvchi omillarning korrelyatsion tahlili. Science and Education, 3(1), 1142-1147.
8. Abdullayev, J. (2023). THEORETICAL FOUNDATIONS OF VALUE CHAIN FORMATION. Talqin va tadqiqotlar, 1(21).
9. Jaxongirovich, A. J. (2024). Value Chain Evolution: Existing Theories, Vision, and Future Trend. European Journal of Economics, Finance and Business Development, 2(3), 1-7.
10. Abdullaev, B. A. Z. Z. (2022). THE ROLE OF EXPORT ACTIVITY IN THE COUNTRY'S ECONOMY. Conference, 5(5), 87-91.
11. Рузиева, Д. И., & Абдуллаев, Ж. Ж. (2017). THE MECHANISM OF BUDGETING SMALL ENTREPRENEURSHIP.
12. Abdullaev J. (2024) The academic dynamics and integration influences shaping the experiences of international students in higher education. "Milliy iqtisodiyotni barqaror

rivojlantirish va yuqori iqtisodiy o'sish sur'atlarini ta'minlashning ustivor yo'nalishlari"
konferensiyasi (196-200 b.)

13. <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/12>
14. <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/10>
15. <https://yashil-iqtisodiyot-taraqqiyot.uz/journal/index.php/GED/issue/view/4>