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TECHNOLOGICAL BREAKTHROUGH: UZBEKISTAN ON THE WAY TO AN INNOVATIVE FUTURE

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Annotation

The author of this article emphasizes that the development of technology plays a key role in increasing production efficiency, reducing costs and improving product quality. The main aspects discussed in the article include technology transfer, innovative development, increasing efficiency, competitiveness and economic growth. The strategic role of the state in stimulating innovative development and technology transfer was also noted. State programs and initiatives are aimed at introducing innovative technologies in the economic and social spheres of Uzbekistan.

Keywords: economy, development, innovation, technology transfer, socio-economic development, commercialization.

Relevance of the topic. At the current stage of development of the national economy, it is necessary to achieve high and stable rates of economic growth mainly due to innovative factors, which determines the reduction of opportunities for economic development due to the reduction of traditional natural resources and increased competition, as well as the need for innovative development.

Innovations are becoming the main means of maintaining the competitiveness of the modern economy. The development experience of other countries shows that those who actively develop innovations achieve success. Uzbekistan should use the experience of countries where innovations play a key role. This is why the information and communication technology (ICT) sector is actively developing in Uzbekistan, and the country aims to become a regional IT hub. Some of the measures taken to develop the technology sector are:

1. Uzbekistan ICT Week 2023: This event served as a platform to showcase Uzbekistan's successes in the ICT field. The country aims to increase IT services exports to $5 billion by 2030.[1]

2. Attracting Investments: Uzbekistan attracts thousands of IT specialists and companies relocating their employees to Tashkent. This is due to the desire to develop the technology sector.

3. Education and Youth Support: The country is actively developing IT education, organizing conferences and events aimed at supporting young specialists [1].

Uzbekistan is also actively working on strategic plans and prospects for innovative development, which will help it become a key player in the global IT industry.

The issues of development of innovation processes at the macro and macro levels, in particular the problems of technology transfer, are given much attention in the works of domestic and foreign scientists. Various theoretical and practical aspects of the essence and formation of the organizational and economic mechanism of innovation transfer were studied in the works of domestic researchers such as V. Aliboeva, G. Anvarzhonov, S. Valiev, V. Dekhkanov, M. Yokhna, O. Pichkur, O. Salikhova, V. Solovyov, O. Lapko, O. Lyashenko, L. Fedulova, N. Chukhrai, T. Shchedrina, as well as foreign ones: P. Drucker, W. Keller, J. Eaton and S. Kortum, B. Aitken and A. Harrison, L. Bransletter, K. Edmonds, F. Hayek.

The phenomenon of technology provision is also associated with the concepts of "bad" and "exact" knowledge. Today, many researchers believe that the information component of technology (know-how), unlike the physical component (the product itself), as a rule, cannot be easily reproduced, that is, its effective transfer - directly insists on correct transfer. From the developer to the end user - this is due to the need to obtain clearly expressed knowledge about the general principles of the technology, as well as the entire set of information added to it - the so-called hidden knowledge in philosophy [3]. M. Polanyi, a famous English scientist, one of the founders of postpositivism, developed the concept of closed knowledge in the 1950s. In his opinion, tacit knowledge is a set of private, unmodified knowledge that is the result of experiments and theoretical achievements of scientists and can be transmitted only informally as a result of direct communication between people. M. Polanyi in his work "Personal Knowledge" stated that there is no clear boundary

between coded and tacit knowledge, and tacit knowledge complements concrete knowledge [7].

The ability to create innovative technologies and their effective use becomes the basis for socio-economic development. Technology transfer and commercialization help to increase the international competitiveness of local enterprises. The problem of transfer and commercialization remains relevant, and further research is needed in this area. The study of technology transfer is an important aspect for countries for several reasons. There are some factors that encourage Uzbekistan to focus on this area, including:

1. Economic growth and competitiveness. Technology transfer promotes economic development and competitiveness. It gives countries access to advanced technologies that help increase production and innovation.
2. University-industry cooperation. The study of technology transfer helps to strengthen cooperation between universities and industry. Universities can transfer their research and patents to industry.
3. Innovation and research. Technology transfer allows for faster new research and innovation. This helps develop new products and services.
4. Practical examples: For example, technology transfer in the medical field allows for faster introduction of new diagnostic and treatment methods. In the textile industry, it can help introduce new materials and production processes.
5. Management support: Governments can actively support technology transfer to stimulate innovation and economic growth.

It is important to understand that successful technology transfer depends on many factors such as communication, innovation, knowledge, product quality and motivation.

For successful technology transfer, there are several key factors to consider:

1. Ensuring user participation: User participation plays an important role in the technology development process. They can provide valuable feedback and help adapt the technology to specific needs.
2. When examining technical characteristics, the technology should be thoroughly examined in terms of complexity, novelty and application.
3. Agreed goals and expectations: It is important that all parties have a common understanding of the goals and expectations for the technology transfer.

4. Management support: The organization's management should actively support the transfer process, allocate resources and provide support.

These factors contribute to effective technology transfer and successful integration of innovations.

In addition, the topic of "technology transfer" is relevant in the modern world. Technology transfer is the transfer of knowledge, know-how, innovation and technology between organizations, countries or industries.

In conclusion, it can be said that the development of technology transfer in industrial enterprises plays an important role in the economic development of Uzbekistan. The country is actively working on innovative development, attracting investment, developing information and communication technologies and training young people in the field of information technology. This will allow Uzbekistan to strengthen its position on a global scale and become a major player in the technology sector.

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