

WAYS OF EFFECTIVE ORGANIZATION OF INNOVATION PROCESSES IN UZBEKISTAN

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Annotation: The article presents the opinions of foreign and local scientists about the concept of innovation and its essence. Forms of organization of innovation processes and a detailed theoretical analysis of the main stages of innovation processes are presented. As a result of the analysis, an author's definition of the term "innovation" was given. The strategic directions of effective organization of innovation processes that can be used in the Republic of Uzbekistan are given.

Keywords: innovation, innovation process, forms of organization of innovation processes, main stages of innovation processes, innovation strategy.

The Law of the Republic of Uzbekistan "On Innovative Activity" defines "innovation" and "innovative activity" as follows: "innovation is a new development introduced into civil circulation or used for personal needs, the use of which in practice ensures the achievement of great socio-economic results", "innovative activity" - organization of new developments, as well as activities to ensure their transfer and implementation in the field of production" is defined as.

In the modern world, the introduction of innovations in activities in various fields leads to economic growth, on the one hand, it is the main factor in the development of the state, and on the other hand, it is manifested as a result of scientific and technical development. The basis of the innovative economy is innovative activity, which, as a specific type of economy, ensures the development of the economic system by updating knowledge, innovative factors and technologies.

As the President of the Republic of Uzbekistan Shavkat Mirziyoyev noted, "Our most important task is to create an environment of innovation in the worldview of our people. If there is no innovation, there will be no competition and development in any field. If we do not widely promote the changes in this field to our people, if we do not develop skills in people, we will not be able to keep pace with the intensity of today's era and the unprecedented achievements of science and technology. Therefore, the development of this activity at the level of modern requirements should be the main task of the new ministry and, moreover, of this center.

The development of the economic system is carried out under the influence of innovations, and in the end it shows the relevance of using innovative levers to achieve economic growth at the expense of new knowledge. Innovative developments are made up of different elements, and the result of combining them into a whole system can lead to economic growth.

The terms innovation and innovation process are very widely used today, increasing the interest in studying its content.

is strengthening. For this reason, we have set ourselves the goal of studying the views of some

economists-scientists who have researched and revealed the economic meaning of these terms.

Along with foreign researchers and researchers from the CIS countries, Uzbek economists-scientists have also conducted extensive research on revealing the economic meaning of the term "innovation" and developed their modern interpretation definitions.

In general, many more theoretical views of other economists-scientists can be cited on the content of innovations. However, based on our research, we have developed the following definition, which we believe serves to fully reveal the economic essence of this term today.

"Innovation is a set of completely new or modified methods in order to achieve a more optimal result than the existing situation in a certain field of activity."

The main stages of the innovation process are as follows:

- systematization of incoming thoughts;
- identification of an idea and development of a new product idea;
- analysis of the economic efficiency of a new product, development of a marketing program;
- creation of a new product;
- making a decision on the introduction of a new product into production based on the marketing program.

The object of managing the innovation process assumes the creation of highly specialized departments, that is, associations, committees or working groups, for the development of technical policy:

- organization of new product departments and centralized service to control innovative activities;
- defining target project groups or centers for new product creation;
- increasing the role of scientific developments, construction works, laboratories, and scientific mark departments in production departments;
- establishment of special funds and venture departments stimulating innovative activities;
- creation of special branch laboratories dealing with the problem of mastering new technologies.

Инновацион менежментда инновацияни ташкил қилишнинг турли шаклларида фойдаланилади. Инновациялар тузилмаси шакллари мазмун жиҳатидан инновацион лойиҳаларни олиб боришда меҳнат тақсимотининг турли усулларида иборат. Инновациянинг бундай ташкил этиш шаклларига концентрация, ихтисослашганлик, кооперацияланиш ва комбинацияланишларни киритиш мумкин.

According to the "Concept of the socio-economic complex development of the Republic of Uzbekistan until 2030", increase the expenditure on scientific research and experimental construction work and increase this indicator to 1-1.5% of GDP, increase the number of research scientists among the employed population to 0.4% , the task of increasing the share of the expenses of the economic entrepreneurship sector on scientific research and experimental construction work to 0.4% of all expenses spent on innovation, as well as achieving the position of the Republic of Uzbekistan among the 50 advanced countries of the world according to the Global Innovation Index rating.

It is necessary to note the size of the share of the public sector when considering the structure of appropriated expenses spent on scientific research and experimental construction works. In the structure of funding sources, the state budget will continue to play a significant role in scientific research activities in Uzbekistan. Its share in 2021 was 59.4 percent. Own funds of enterprises and organizations are the second source of funding for scientific research and experimental construction

work - 32.4%.

The volume of goods, works and services realized in the last ten years has increased 4 times and in 2022 will reach 23025.9 billion. amounted to soum. In 2022, the total volume of expenses for all types of innovation (technological, marketing and organizational) increased by approximately 3.4 times, and its share in 2022 was 2.8 percent of GDP.

In 2022, the number of innovative active enterprises that introduced technological innovations reached 1274. They introduced 2232 technological innovations. According to the results of a continuous statistical survey, the share of enterprises and organizations that introduced innovations in 2022 in the total number of enterprises was 0.54 percent.

Despite the fact that the number of companies involved in the production of innovative products and services in Uzbekistan has grown significantly (in 2014-2021, the increase is 7.5 times), in 2022, the share of innovative enterprises made up 0.72% of the total number of companies (in the European Union - about 49%). The share of innovative-active enterprises, i.e. enterprises introducing technological innovations, is also quite low - 0.54% in 2022 (in developed countries - 40-65%).

Conclusions and suggestions

In turn, Uzbekistan ranks high in terms of the following indicators: ease of business organization (55th place), ease of resolving business failure (recognition of bankruptcy) (72nd place), ratio of scientists and teachers in secondary education (47th place), number of graduates in the field of science and technology (47th place), gross capital accumulation (19th place), credit portfolio of microfinance organizations (39th place), patent applications by origin (48th place), utility model application by origin (24th place), per capita GDP growth rate (6th place), national feature films created (49th place).

"Human is the main factor of economic development" in the "Concept of the development strategy of the Republic of Uzbekistan until 2035" in order to effectively start innovative processes. It was also mentioned that the concept of continuous education, which allows training highly qualified personnel and stimulating the development of innovations, has been introduced.

- ✓ According to it, it is required to do the following. That is:
- ✓ Establishing convenient and high-quality education for all layers of the population;
- ✓ creation of a unified strategy for the development of the ministries of education;
- ✓ development of the state system of evaluation of the quality of education;
- ✓ developed infrastructure, schools (up to 27 people in a class),
- ✓ an increase in the number of universities (170,000 people per university) and kindergartens;
- ✓ transition from mass education to inclusive education;
- ✓ Introduction of "Voucher" educational system;
- ✓ high salaries for teachers (higher than the market average), providing teachers with a wide range of benefits;
- ✓ active introduction of online education;
- ✓ organization of a developed private education market;
- ✓ formation of reliable and complete information on the size and structure of the labor market;
- ✓ increasing the efficiency of scientific and pedagogical personnel, including publication of scientific reference results in scientific journals.

By 2030, the following results can be achieved as a result of increasing the effectiveness of the organization of innovative processes aimed at human capital due to the implementation of the above directions:

- the qualifications of specialists begin to meet market requirements;
- GDP per capita is expected to be 4,538 US dollars by 2030;
- engineers, economists and managers begin to dominate the market (more than 70% of employees);
- the unemployment rate will be reduced by 6.2%;
- a continuous education system will be established.

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