

Innovation Infrastructure in Uzbekistan the Need for Development

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Abstract

This article deals with recommendation based on state programs which are planned to carry out in the year of science, enlightenment and digital economics. Reforms on modernizing the production in Uzbekistan require innovational approach.

Keywords: *modernizing, innovation, infrastructure, business, incubators, innovational technological centres, investment funds, technoparks, venture-funds.*

The reforms carried out to modernize production in Uzbekistan require not only updating the techniques and technological processes used in enterprises, but also an innovative approach to the organization of management accounting.

Enrichment of production with innovations created in science should be not only an important part of state policy, but also a strategic goal of the region and one of the important directions of the activities of enterprises and corporations. The establishment of the Ministry of Innovative Development based on the decree of the President of the Republic of Uzbekistan "On the establishment of the Ministry of Innovative Development of the Republic of Uzbekistan" indicates the renewal of the innovation policy by the state.

Innovation and its various directions have been widely studied since the 20th century, and its theories are based on it. Innovation is a process in which new thoughts and ideas become economic.

In Uzbekistan, among the costs of technological marketing and organizational innovations, the lack of innovative infrastructure costs creates the need to develop this direction in our country. In 2021, 1,816 types of technological innovations were introduced by 893 enterprises and organizations. 44 percent of them (799) correspond to small enterprises and micro-firms. Of course, this is not a great indicator for a country whose economy is becoming liberalized.

A special organizational economic mechanism is required to manage the innovation process. This mechanism includes organizations, business incubators, innovation-technological centers, investment funds, technology parks and venture funds that create innovations and apply them to the production process, in addition to the regulatory and legal frameworks adopted by the state.

Technoparks are one of the main elements of the infrastructure for supporting innovative entrepreneurship and are engaged in creating an innovative environment for the development of resident entrepreneurs. At the same time, business incubators with entrepreneurs, center of transfer technologies, cluster development centers, and engineering centers can be located in technological parks.

Engineering centers are organizations specializing in consulting and organizing production processes, directions for technical and technological implementation of innovations in the production process, and other issues related to the production process.

Cluster development centers are established in order to organize effective activity of territorially interconnected clusters. Cluster development centers are centers specializing in bringing together the activities of educational and research institutions, non-profit and public organizations, investors interested in regional cluster development, and assisting in the implementation of joint projects.

Currently, young entrepreneurs are given the following opportunities:

- practical assistance in preparation of necessary documents for obtaining permits, obtaining loans, preparing business plans, conducting marketing research, finding trade markets, etc.;
- teaching young people the basics of running a business, involving them in training and retraining courses, as well as helping young entrepreneurs in choosing qualified employees;
- performing tasks of business incubators for the establishment of start-ups, increasing competitiveness of young entrepreneurs, sustainable development of their activities.

Business incubators are established to support small business entities at the start-up stage. Business incubators rent production space and offices for residents on a preferential basis. They are organizations that provide office equipment and communication products, provide outsourcing and accounting services.

Coworking is one of the widely used innovation support methods in modern innovative economies. Coworking is a working model where entities with one or two employees as sole proprietors rent a larger building together with other similar business entities and thus maintain their independence. The main purpose of this is to accelerate the exchange of information and ideas, to develop cooperation.

In modern literature, the terms "Venture capital" and "Venture investment" are often used. The opportunity to develop innovative activities through venture financing in foreign countries is increasing. As a result of the analysis of many scientific works, a conclusion was reached about venture financing.

The venture financing development system in our country is based on:

1. Improving the service quality of the stock exchange in our country, increasing the share of multinational companies and international banks in the stock exchange listing as the main levers of the venture financing system.
2. Creation of regulatory and legal basis of venture financing. There are no legal bases for other forms of innovative business, only some bases are given in the "Civil Code". The draft law "On Venture Financing" should be included in the action strategy.
3. Establishment of technology parks and business incubators with the participation of venture capital in cooperation with free economic zones. It plays an important role in raising the level of efficiency along with increasing the investment activity of free economic zones.
4. In our country, in cooperation with the Chamber of Commerce and Industry and the "Development Program" of the UN, the "START-UP" project, the selection of innovative projects has been regularly held, and the "Innovation Cooperation" has been held for more than ten years, but due to the slowness of the financing source of innovations, the speed of the production process the fact that it is not implemented affects the low level of competitiveness of products. For this reason, it is necessary to establish state venture funds in order to support the implementation of innovations created in research institutes in the production process.

5. Higher education institutions and industrial cooperation should be established more widely. Both professors and teachers, researchers, and students should have material interest in this. Only then will the state have the opportunity to reduce subsidies to higher education institutions and directly introduce the results of scientific research into the production process. By effectively using advanced foreign experience, there will be an opportunity to establish a venture financing system in our country.
6. By establishing technological parks and techno-cities in our country, together with the establishment of cooperation between science and production, we will pave the way for the development of other areas of innovative infrastructure.

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