

## Organization of Educational and Scientific Complex in Higher Education Institutions

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**Abstract.** This article substantiated that the results of the conducted research indicate that the creation of an innovative "educational-scientific complex" in the system of integration of higher education, science and production is the main criterion for the training of highly qualified personnel. The article discusses the issues of integration of education, science and production, strengthening of the connection between science and production, effectiveness and prospects of the educational-scientific complexes established in higher education institutions.

**Key words:** innovative activity, practice, integration, higher education, production, educational-scientific complex.

### Introduction

An important factor determining the stability of the economy is its competitiveness. This, in turn, requires the organization of production on a scientific basis.

In this sense, the development of innovative activities in modernizing Uzbekistan is considered as a priority task at the state level. Based on this, the Ministry of Innovative Development was launched. It is necessary to carry out intensive work on further development of science in our country, education of our youth as possessors of deep knowledge, high spirituality and culture, formation of a competitive economy.

Today, world experience shows the need for a higher education institution to operate not only as a teaching center, but also as a scientific research center. The demand for science and research based development is increasing day by day. Only when progress is in step with science will the foundation be solid. The decisions of the board meeting of the Ministry of Higher and Secondary Special Education on the development of innovative activities in higher education institutions in our country and the work related to their implementation are of particular importance in the stable development of the economy at the scientific level and its modernization at the level of modern students. Requires the establishment of cooperation with enterprises.

**Main part:**

The process of modernization of the economy, in turn, requires the training of highly qualified and competitively qualified personnel in the higher education system, as well as the formation of a powerful source of innovative ideas and technologies:

1. It is necessary to develop an innovative, practical research network, mainly in interdisciplinary areas, which is capable of replacing the system of scientific research institutes, which has weakened in many directions, at a new quality level. It ensures the formation of knowledge transfer between industrial corporations, scientific and industrial associations and academic science.
2. The innovative path of the country's development requires the serious activation of entrepreneurship, the implementation of mechanisms for expanding the practice of creating relevant innovative structures.
3. Innovation-technological modernization defines the principles, which also requires a new quality of training of specialists that meets the requirements of enterprises. New personnel will be directed to work with tomorrow's technologies.

Their preparation requires the involvement of professors and students in leading research and the personal participation of students in such work. Thus, higher education plays a key role in the sustainable economic development of society. Therefore, Higher Education Institutions should be reflected as a methodical center of production lines, scientific research and educational institutions. Because specialists trained in the higher education system go directly to production enterprises, educational institutions and scientific research centers and work. It is here that the role of the institution and the need for specialized personnel trained in the production and institutions will be clear.

Therefore, the economic and sustainable development of the enterprise and institution largely depends on the highly qualified specialist personnel trained at the Higher Education Institution and their state of preparation. Based on this, forming the material and technical base of higher educational institutions at the level of modern students and improving the mechanism of training highly qualified personnel are among the urgent issues of today. This urgent issue is reflected in the relevant decision of the President of our republic.

Focuses on the selection, teaching and activation of speech materials, repetition of vocabulary and the development of the emotional sphere of the student's personality and grammatical phenomena, etc. This means that the educational material should stimulate not only the students' communicative and verbal thinking activities, but also their cognitive, intellectual, emotional and especially creative activities.

Activities outside the auditorium fulfill a set of practical, educational, educational and developmental goals, like the entire process of teaching a foreign language. In the methodological literature, we find a unanimous opinion that extracurricular activities are intended to improve students' knowledge and skills of a foreign language that they acquire during classes. Such work includes independent reading of texts that have great potential for the formation of civic virtues. Reading authentic texts of a regional character not only increases cognitive activity, but also helps to create conditions for the development of qualities such as respect for one's own culture, pride and the development of one's love. While studying, students not only get acquainted with a new world for them, but also begin

to act in it, learn to identify universal human values. Special attention should be paid to reading specialist texts in the target language, which will allow you to deepen your knowledge of the specialist and language, develop creative skills and engage in research.

How can the structure of the "educational-scientific complex" and its mechanism of action be in higher educational institutions?

In Higher Education Institutions, the educational-scientific complex includes technoparks, scientific laboratories, experimental areas, and production enterprises and institutions that can employ graduates in the future.

Based on the experiences conducted in Higher Education Institutions and the analysis of the educational process in prestigious Higher Education Institutions of developed countries, it can be said that it is important to conduct the educational process in the higher education system in connection with the participation of students in scientific research and practical activities. Involvement of students in scientific research allows to connect their theoretical knowledge with practice, brings them closer to production processes.

The establishment of "educational-scientific complexes" on the basis of Higher Education Institutions serves as an important basis for the creation of a unique stage in the improvement of the development mechanism of integration between science, education and production. The following achievements can be noted separately:

- Agreements concluded between Higher Education Institutions serve as an important impetus for increasing the efficiency of the ongoing research work. In this regard, the leadership role of scientists of Higher Education Institutions can be noted;
- On the basis of the desire of leading scientists and experts to work in cooperation in Higher Education Institutions, the increase of scientific potential in Higher Education Institutions can be seen on the basis of the monitoring of the "educational-scientific complex" organized on the basis of the above-mentioned Higher Education Institutions.

**In conclusion**, it can be noted that, on the basis of the monitoring and analysis of the results of the work carried out, it is necessary to carry out systematic work on the implementation of the following works in order to organize "educational-scientific complexes" in the designated Higher Education Institutions in an exemplary manner and popularize the results:

1. In connection with the implementation of the tasks defined in the decrees of the President of our Republic, to organize a base of Higher Education Institutions and to organize special training courses and trainings to explain its essence to all professors and teachers of Higher Education Institutions.
2. Conducting videoconferences and video-seminars on identifying and publicizing the best practices of Higher Education Institutions that are establishing exemplary cooperation with production enterprises and institutions in the establishment of the "Educational-Scientific Complex".
3. Making appropriate changes to the educational plans for the planned training and independent study hours in the bases of production enterprises and institutions and Scientific Research Institutes.

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