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Global Competitiveness Index - "Technological Readiness," which takes into account technological borrowing and the use of information and telecommunication technologies. By this rating position Ukraine ranked the 81st in 2018 (the 85th in the previous year), indicating that there was a certain technological potential for innovation.

On the basis of the analysis of Ukraine's rating positions on the above-mentioned indices, one can see that the existing diverse crisis prevents the development of an innovative economy and leads to a decrease in the global competitiveness indicators in relation to the other countries of the world. In our opinion, the development and introduction of innovations both in the sphere of entrepreneurial activity and in the field of functioning of the labor market will contribute to increase the competitiveness of Ukraine in the international competitiveness rating.

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INTERACTION MECHANISM IN THE ECONOMIC SECURITY SYSTEM OF HIGHER EDUCATION INSTITUTION

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Modern Ukrainian higher education institutions (HEI) operate in difficult conditions. There are always many external and internal threats. These threats can have a complex negative impact on all components of life and activities of the HEI. Including development dynamics and the state of economic security.

For successful counteraction to all existing and possible threats of HEI, there must be modern economic security systems. For effective countering existing and possible threats of economic security of the HEI, these systems must not use only own resources, but also the resources of external organizations, including government agencies and law enforcement.

In order to find understanding and ensure the effective use of all internal and external resources of economic security system in the interests of HEI, it is important to create effective interaction mechanisms.

According to the author [1], "the interaction mechanism in the economic security system of company is a set of internal and external subjects of economic security system, regulatory and legal bases and technical means that allow to

plan, prepare and conduct well-coordinated on time, place and the content of joint actions to counteract the threats to the economic security of the company.” This definition can be fully used to determine the mechanism of interaction in the economic security system of HEI.

Modern HEIs have significant resources of their own, which, if used wisely, can create favorable conditions not only for stable operation, but also for the sustainable development of the HEI in the context of a systemic economic crisis. First of all, it is a significant intellectual potential of the HEI, the carriers of which are faculty members, researchers and graduate students. The effective use of knowledge and skills of HEI employees makes it possible to predict the needs of economy for specialists and, on the basis of the results obtained, discover new promising directions in teaching bachelors and masters. The start of teaching the most promising and popular specialties, not only at present but future as well, can make the HEI attractive for applicants. This will make it possible to take a leading position in the educational services market under conditions of a high level competition and thereby ensure the financial and economic security of the HEI.

In order to ensure the active participation of HEI employees in opening new directions in teaching bachelors and masters, it is necessary to create an effective mechanism of internal interaction as an important component of the management system of HEI.

For all the importance of their own resources to ensure economic security of the HEI, external organizations, primarily the Ministry of Education and Science of Ukraine, play a big role in successfully solving this complex task.

To implement effective interaction with external organizations, it is necessary to create an appropriate external interaction mechanism in the economic security system of HEI. This mechanism of interaction allows to establish business mutually beneficial relations with all external organizations that are related to the national education system and ensure the security of individuals and legal entities in Ukraine. In order to build a mechanism of interaction in the economic security system of public security institution, it is necessary to solve the following tasks:

- to identify internal and external subject for possible interaction in economic security system for preparation and conduct of joint measures to counter threats to HEI;
- understand the purpose and functions of the subjects selected for joint activities to ensure the economic security of the HEI;
- to plan the preparation and conduct of joint activities aimed at the prevention of criminal acts regarding to HEI
- to organize the rapid information exchange regarding the threats to economic security of HEI that exist in the external and internal environment;
- to determine the order and means of communication between the subjects of economic security system of HEI and external organizations during the preparation and conduct of joint activities to counter the threats to the external and internal environment.

Building an effective interaction mechanism in the economic security system is a complex task, which should be dealt directly by the heads of the HEI.

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PROBLEMS OF FORMATION AND IMPLEMENTATION OF THE CONVERGENCE OF SCIENCES AND TECHNOLOGIES

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Where modern science is moving, where it is now and around what the evolutionary processes unfold are the most urgent issues that many scientists are concerned by. After all, the future of our civilization depends on how far the science and its product will be able to go.

Many domestic and foreign scientists are engaged in the process of working out the directions of civilization development, of searching for areas of scientific research and other topical issues of development and integration of science and technology such as W. S. Bainbridge, T. V. Chernigovskaya, G. V. Ehrlich, P. A. Florensky, V. N. Giryayeva, W. N. Joy, E. Kapp, M. V. Kovalchuk, G. E. Krichevsky, R. Kurzweil, V. Livshits, D. A. Medvedev, M. C. Roco, O. V. Rudensky, O. P. Rybak, T. N. Schukin, V. V. Udalova (Pride), D. V. Yefremenko, Ya. V. Yevseyeva and many others.

Currently, the development of science and technology is determined by the accelerating progress of information technology, biotechnology, nanotechnology and cognitive science, aimed at artificial intelligence. The combination, mutual influence on each other and the synergistic enhancement of these technologies is called NBIC-convergence – interdisciplinary convergence of the most critical scientific fields (after the first letters of the areas: N – nano; B – bio; I – info; C – cogno). Cognitive science (lat. *Cognitio* – cognition) or cognitive science – the science studying the mind, consciousness.