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ON SOME WAYS TO PREPARE STUDENTS FOR PROFESSIONAL ACTIVITY IN TECHNICAL HIGHER EDUCATION INSTITUTIONS

Adizova Sevara Yusupovna*

*Senior Lecturer of "Mechanical Engineering Technology",
Bukhara Institute of Engineering and Technology,
UZBEKISTAN
Email id: sevara.adizova@mail.ru,

ABSTRACT

This article theoretically illustrates the specific ways and opportunities to improve the preparation of students for professional activity in the development of innovative cooperation between education and science, industry, their interaction and integration. At the same time, it was noted that the successful implementation of education on the basis of innovative cooperation can lead to the training of highly qualified specialists who can meet modern requirements.

KEYWORDS: *Innovation, Professional Activity, Integration, Professional Education, Organic Connection, Production, Innovative Cooperation.*

INTRODUCTION

The rapid development of technical spheres, production, service and management infrastructure in the world requires the training of specialists capable of using innovative equipment in high-tech enterprises. Advances in science, engineering and technology serve to radically improve the quality of life of people, while at the same time creating social, economic, cultural, material and other conditions for their vital activities, while realizing their personal needs and interests.Mobile communication, personal computers, personal appliances and all kinds of service equipment, modern information and communication are based on the scientific and technological progress of mankind, and today in the space of technical change, artificial living environment is becoming more efficient than the natural environment.

In the context of scientific approaches to the formation of a global educational environment specific to European countries, Megatendence shows that ensuring continuity and practical orientation of education, focusing on independent learning and creative development, vocational

educationensuring integration between theory and practice plays an important role in active development.

With general and specialized disciplines according to international experience

deepening the interconnectedness of production structures has a positive impact on the effectiveness of education. It is also important to further expand the integrative organizational function of education, modernize forms and methods of education, the formation of personal and professional qualities, ensuring the harmony and continuity of elements of innovative professional potential in the further development of trends in vocational education theory (technical higher education institutions) and practice (high-tech enterprises). processes play an important role.This requires the examination of the results of professional training of vocational education specialists and employees of industrial enterprises on the basis of an integrated education system, taking into account the principles of membership and interdependence, and the development of appropriate methodological recommendations on identified problems.

Systematic reforms are being carried out in our country to shape the integration of science and industry. The Action Strategy for the Further Development of the Republic of Uzbekistan provides for a holistic and systematic approach to ensuring the implementation of priorities such as "development of mechanisms for assessing the quality of education, improving the availability and efficiency of educational services" and "large-scale training and retraining." the formation of integrative knowledge, professional skills and competencies, and diagnostic assessment of learning outcomes play an important role.In this regard, it is necessary to study the state of professional training of vocational education specialists and production workers, to study their professional competence in their specialties and areas of production, to develop and implement innovative methods of pedagogical diagnosis.

The main part

The mutual partnership of technical higher education institutions and technological manufacturing enterprises leads to the formation of innovative entrepreneurial skills by personnel in theory and practice.

This approach to the organization of the educational process is successfully used in foreign countries (Russia, Germany, France, China, etc.) and is called practice-oriented education, because, as mentioned above, the interaction of the education system with industry - the knowledge acquired by students in vocational education , the results of the assessment in the production of the requirements for skills and competencies.It should be noted that the main factor in the learning process is the practice, that is, training in a particular workplace of the enterprise and the production of a particular product (for example: for the lathe profession - workplace - machine, and the result of the work the removal of a particular detail).

For successful implementation of innovative cooperation it is necessary to solve the following:

- modernization of the educational process in vocational education;

- introduction of a modular education system;

- Improving the professional competence of teachers and coaches in enterprises;

- Strengthening the motivation of students.

Modernization means equipping vocational education institutions with modern teaching equipment, introduction of innovative teaching technologies and educational resources, professional competence of teachers, first of all, information and communication technology (ICT) literacy and in-depth knowledge of their subject, as well as experience and leadership of high-tech enterprises. specialists will be selected and focused on vocational training.Excursions to enterprises, organizations, educational and social institutions will be held as part of the social partnership and dual education training.

Students get acquainted with the staff and working hours of organizations, working conditions, meet with leading specialists of enterprises.

Innovative collaboration for students creates opportunities for early independence and easy adaptation to adulthood. Innovative education provides easy access to professional activities without the inevitable stress for other forms of learning due to lack of information and lack of practical training.It not only allows you to learn to perform specific job tasks, but also develops the ability to work in a team, forming professional competence and responsibility. Innovative education provides great opportunities to manage a student's career. Under it, the level of education is constantly increasing.No education can provide information about production as innovative education, which is one of the important steps on the path to its successful development.

Higher education institutions train specialists based on the prospects of development of modern high-tech enterprises in mechanical engineering.Strengthens the theoretical knowledge acquired by students on the basis of innovative cooperation in the same enterprises. Based on the interest of talented students in the industry, innovative cooperation groups are formed in each area. During the academic semester, this group of students conducts internships, internships, course work and course projects, graduate work in the enterprises attached to them, as defined in the curriculum.At the same time, they can get acquainted with the formation of innovative projects on topics of interest, the implementation and commercialization of the developed developments, and participate in the implementation of this project in collaboration with the leader of the innovation group.

Management of the infrastructure of this innovative cooperation is carried out through coordinating scientific and technical councils consisting of representatives of relevant government agencies, higher education institutions and enterprises. The Coordinating Council analyzes new developments created as a result of innovative cooperation over the period and the purpose of innovative projects planned for future implementation, the identified measures for the implementation of tasks, expected results, the provision of specialists and funding stages.In addition, research centers, financial institutions and foreign participants, experts and researchers can be involved in the implementation of large innovative cooperation projects. Foreign participants, industry experts and researchers can participate with their lectures and practical seminars. This will not only increase the effectiveness of professional training of future potential personnel, but also create a great basis for the exchange of experience of employees of these enterprises.

CONCLUSION

It can also be concluded that training future professionals in independent research, independent problem solving, creative approach to it, as well as the acquisition of knowledge, skills and competencies in the production process based on the unity of theory and practice.Today, the process of training active, inquisitive, intellectual, managerial, professionally cultured, competitive, creative-minded professionals is one of the main tasks of the continuing education system. has scientific and practical significance.

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