



## THE ROLE OF INDEPENDENT EDUCATION IN THE EDUCATION OF STUDENTS

*Shomirzaev Makhmatmurod Khuramovich*

*Termez State University professor,  
doctor of Pedagogical Sciences.*

*E-mail: mshomirzayev1966mail.ru*

**Summary:** The article highlights the essence of directing students to independent education in technical higher educational institutions, formation of students' self-development abilities, creative application of the acquired knowledge.

**Key words and concepts:** student, education, upbringing, engineer, creativity, ability, independent education, educational process, interest, skills, qualification, profession, efficiency.

Today, at the level of state policy, attention is paid to the development of the education system in our country, to ensure that people acquire knowledge in conditions suitable for world standards, grow up to be physically and spiritually mature people, and to bring out their abilities, talents, and intellectual potential. large-scale works are being carried out. In the decision of the President of the Republic of Uzbekistan dated April 20, 2017 No. 2909 "On measures for the further development of the higher education system", among the most important tasks for the further improvement and comprehensive development of the higher education system in the future, the following are defined:

- formation of target parameters of training of highly educated specialists, optimization of training areas and specializations in higher educational institutions in the future, taking into account the requirements of regional and branch programs, comprehensive development of regions and economic sectors;
- to increase the spiritual and moral content of higher education, to inculcate in students and young people the spirit of loyalty to the ideas of independence, high spirituality and national traditions of humanity, to strengthen their immunity to foreign ideas and ideologies, and to strengthen their critical thinking. to carry out wide-ranging educational and educational work on [1].

The rapid development of science, technology and technology, the improvement of household living conditions, the ever-expanding scope of the negative impact of humans on nature, the improvement of information and communication exchange, Also, the priority of computer and complex technology services in various spheres of social life is causing both positive and negative situations in personal relationships. For this reason, the training of highly qualified specialists is one of the urgent tasks of today. In order for students to acquire high-level knowledge, it is important that they are not limited to classes in the classroom, but also carry out independent educational activities.

In Chapter 3 of the Concept of the Development of the Higher Education System of the Republic of Uzbekistan until 2030, entitled "Strategic Goals and Priority Directions of the Development of the Higher Education System", § 1, entitled "Expanding the coverage of higher education, improving the quality of training of highly educated specialists", "Independent education hours" increasing the share of students, independent education, critical and creative thinking, systematic analysis, formation of entrepreneurship skills, introduction of methods and technologies aimed at strengthening competencies in the educational process, directing the educational process to the formation of practical skills, in this regard, advanced pedagogical technologies based on international educational standards for the educational process, wide introduction of educational programs and educational materials" special attention is paid to the development

of the necessary competencies of specialists, creative creativity, research, and logical thinking through continuous improvement of independent education and independent work skills of learners.

Independent education is a process aimed at independent, conscious cognitive activity. In pedagogical dictionaries, the concept of "independent education" is explained as follows: "Independent education is a consciously goal-directed activity directed by the person himself, aimed at acquiring systematic knowledge of science and technology, culture, and political life. Independent education is based on the interests of the learner and the source independent learning lies". The process of independent learning is carried out on the basis of a person's own will, consciously, and is planned, managed and controlled by the person himself.

At this point, we considered it permissible to comment on the concept of independent education. Independent education - strengthening of acquired knowledge, skills and abilities, is an educational form for the purpose of independent study of additional information or material [2].

Independent activity serves to implement the formation of knowledge, skills and abilities defined in the curriculum of a particular subject and must be mastered by the student. Depending on the nature of the subject, assignments are developed for independent work types. Creative works and independent activities in the formation of a spiritually mature generation require independent thinking. A student who does not have independent thinking and his own point of view cannot be creative or work independently.

In higher education institutions, paying special attention to independent education of students, development of independent thinking and creative thinking of students is one of the urgent tasks of education. Independent study of students is their desire to expand and deepen their knowledge, improve existing qualifications and skills, and acquire new ones.

The independence of a student's scientific thinking is inextricably linked with his productivity. If the student has expressed valuable and new thoughts, ideas, recommendations for a certain field within a certain period of time, and solved theoretical and practical tasks, such a person's thinking is called productive. A reasonable assessment of the scope and quality of mental activity performed in the period of time serves as a criterion for measuring the productivity of the student's thinking. When a student thinks about ordinary things, he is not limited by their external signs, but strives to reveal the essence of events, tries to create a general social law from the reality of ordinary life.

The main goal of independent education is the formation of personal and professional qualities of students and their ability to work on themselves. The main method of independent education is individual work on literature. This method forms the ability to find the most necessary information from the database with the help of digital technologies, evaluate it, process it, and use this information in one's professional activity.

It is known that by forming the scientific outlook of students, it serves the purpose of accelerating the development of science and technology. In any society, innovation, development is a product of human intelligence, therefore, the development of science and technology largely depends on the scientific thinking of an expert. The maturity of a future specialist consists of physical, moral and mental stages, and in this regard his scientific thinking takes a leading, priority place. In order to acquire the spirituality and values created by our ancestors, and to ensure the development of the future, it is necessary to form independent thinking, creative research, and a scientific worldview in the future specialist who intends to become a perfect human being. Below we give a scheme of the technology of independent work(Fig.1): Technology of independent work

# Technology of independent work

## Step 1: Analysis of Burlgam topics.

The student first reads the assignment must have a copy

## Step 2: Creating theoretical foundations.

The student looks at the materials related to the topic output and theoretical foundations should be developed

## Step 4: Description and analysis of the topic.

The student interprets the context of the work and relates it to literature, theory, and discusses its relevance to broader debates and considerations.

## 3-qadam:Ma'lumotlar to'plash.

Talaba tadqiqot mavzulariga doir turli manbalardan ma'lumotlar yg'adi va ular bilan tanshadi

Figure 1. Scheme of the technology of independent work

Each person solves and implements problems in accordance with his intelligence, depth of thinking, and intellectual formation [3]. It is known that active learning and scientific research activities require effective use of all types of independent research. The main goal of the student's independent work is to form and develop the knowledge and skills necessary for the student to independently perform certain educational tasks under the guidance and supervision of the teacher.

The main task of organizing independent education of students is to create psychological and didactic conditions for the development of intellectual initiative and thinking in any form of lessons. The main principle of organizing independent education is the formation of one's own opinion in solving problematic issues and the formal performance of certain tasks with the passive role of the student.

with the transition to cognitive activity, all students should be transferred to individual work [4].

To sum up, at present, along with theoretical and practical knowledge, those who are able to work independently in their specialties, increase their knowledge and experience independently, and correctly identify problematic situations with a creative approach to the current situation. , training of specialists who can analyze is the main task of higher education institutions. A student will be able to master knowledge deeply only if he works independently and works on himself. As a result of students' independent research, their ability to work independently develops and they develop an interest in creative work. As a result, students' creative thinking develops.

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