

 Research Article

## THE CONCEPTION OF DEVELOPING THE COGNITIVE COMPETENCE OF THE STUDENTS OF HIGHER EDUCATION USING INNOVATIVE TECHNOLOGIES

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### ABSTRACT

Giving knowledge is the main competitive advantage in society. Another important reason for the inefficient implementation of scientific and creative potential is that some principles of training specialists in our country, formed in other historical contexts, do not have time to adequately develop into changes in the external environment. The volume of knowledge and the number of subjects is growing with a few commands, which are much faster than when the methods and content of education are improving. Educational methodology specialists identify a number of serious problems inherent in secondary and mass higher education. One of such problems directly related to the possibility of forming and educating an innovative type of specialist is the problem of inadequate motivation and skills of independent performance, information search and analysis among school graduates and students.

### KEYWORDS

Cognitive competence, innovative methods, creative teaching, internet resources, education and training.

### INTRODUCTION

The methods of local teaching at public universities are mainly reproductive nature. Experts say the current class or lecturer-seminar is tortured in teaching

systems, their personality is involved in the narrow spectrum - attention, understanding, multiplication. Second, new information technology negatively



affects the education system: such as the media, including satellite TV, multimedia technologies, Internet. On the one hand, they opens great opportunities for distance learning, which means a significant share of self-discipline and development. However, on the other hand, this issue, for example, to be slipped on the Internet "release the student not only, but also from independent thinking. Any practitioner cannot agree. At the same time, a person who chooses any field of activity (and especially in the knowledge of knowledge-based activities), the person who chooses on the one hand, on the one hand, on the one hand, on the other hand, on the one hand, on the other hand, one's ability to engage in self-discipline will need a number of abilities.

Based on all the above, it is necessary to modernize teaching methods. In addition, many students will need to consider a very weak motive for such activities, not less than students, as mentioned above, as mentioned above, while creating new methods. Therefore, along with the development of the system of teaching methods, you need to make sure that independent work will be an integral part of the independent work to create an independent work, creating an independent work.

It is necessary to determine the content of the concepts of "stimulating" and "stimulating". Motivation-human domestic property, its psychological "I want". If a person seeks to avoid the undisclosed consequences of his actions for himself and is "ate" and "escapes" motivation is a habit. Directing incentives, directing activities, change its behavior to achieve a certain effect, to raise the identity. Today, the benefits can be formed mainly on the basis of a system of control and stimulus, for example, between a sustainable relationship between the university 'transition and the wages of the university graduate.

Educational technology is the system category, such system: conceptual - new, learning objectives, the content of the educational process, the organization of the educational process, and the means of pedagogical effects, including teaching motivation; methods and forms of student educational activities; teacher's work methods and forms; Management activities of the teacher's material development process; Diagnosis of the educational process; The result of activity (including the degree of professional training); fix the result.

Under the future, we understand the following: thus emerging the educational content, which is provided with curricula, which is the most effective achievement of the most effective achievements. Thus, empirical taking into account the management of the learning process: the organization of students and the control of this activity is awarded to the higher results. changes the ability to make.

In the "Pedagogical Technology" and Learning Technologies, most specialists combine three radical rules:

- Session planning on the basis of a clear definition of the required standard in the form of a set of required actions;
- Selection of the entire educational process "programming" and forming behavior that determines the behavior (rewards and penalties) that identify the user's firm movement;
- Comparing the learning results with a documented standard, in fact, determining the development of student tests, gradually complicated by the repertuary of students.

Thus, the uniqueness of the educational process is the uniqueness of the educational process is that it builds such an educational process, which must ensure that



the foundation of the targeted education is "quick considerations."

- Organization of a whole course in accordance with the preparation of educational materials and educational purposes;
- Correction of training aimed at achieving current results, achieving the set goals;
- Final evaluation of the results.

In such a true profession, the specific features of the educational process are not visible. However, such a common diagnosis can also be observed, and technological approach to education is a route and the education process on the basis of education, the lack of educational process on this basis is specific. Between other features, you need to name the following:

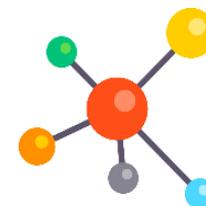
- 1) Concept: Each pedagogical technology should be based on a unique scientific concept;
- 2) System: pedagogical technology Must have all the features of the system: the logic of the process, the interdependence, integrity of all parts;
- 3) the formation and effectiveness of the diagnostic target, which consists of guaranteed achievement of goals, the efficiency of the educational process;
- 4) algorithm, the designationalization opens up different aspects of the idea of the representation of the administration, administration, pedagogical technologies;
- 5) ensures the achievement of the economic efficiency of the training, the optimization of teaching the work of teaching and short-term gradual results;
- 6) The feature of the Exhibition is influenced by the use of various audiovisual and electronic computing equipment, as well as design and applying various didactic materials and original display.

As a result of the concept of the concept of "Pedagogical Technology, we have included and reviewed the category of" Technology of innovative education ", which is based on the effects of intersuatory changes in the educational process. Technology of the teacher's innovative education We consider the readiness of the readiness to carry out and related components: based on value-motivational, content and operational system.

By doing it, we mean the process based on the structure of innovative activities. Indicators of the readiness of innovative educational technologies in our student study:

- Personal and meaningful meaning of the introduction of these technologies;
  - Formation of methodological and theoretical knowledge;
  - Forming general skills:
- a) Design skills: design skills: identification of the problem, identification of targeting, performance, design technology, elements or technology in practice;
  - b) In the educational process, students 'self-controversial skills: identification and coordination of students, selection of content, identification and assistance of students' independent activities, to help students and help students work with their activities.

At the same time, the university is unique because the university student on the introduction of innovative educational Modern society is very rapidly developing, resulting in a preparation for the innovative skills and all levels of human resources and relations. The development of modern society is not possible. The success of the individual, as well as the whole society, depends on the ability to receive and use various news.



The innovative economy has introduced the problem of identifying innovative factors in the modern education system in the field of innovation institutions in the formation of innovative thinking and innovative ways of acting, psychological and functional readings. This question is current, as modern research shows that the skills that will not be played beyond the mental activity established in the curriculum. "... The strategic goal of the state policy in the field of education is to increase the existence of quality education that meets the requirements of innovative economic development, society and modern needs of society and every citizen.

The implementation of this goal includes solving one of the priorities - "provision of the innovative education of the main education, including the structure of the structure of the network of educational institutions in accordance with the goals of innovative development, including" forming national research universities. " The state's innovation strategy requires construction of the principles of the system of psychological framework for students' innovative activities, the development of the principles of modern school graduates and the reform of modern school graduates.

Given the issues of pedagogical innovation, scientists conclude that fundamental education should provide self-development and innovative education. The education is seen as social, cultural and personally established educational activities, which will also be done in the process of change in the entities of this activity. Innovative changes today formulate the new content of education; development and implementation of new educational technologies; creation of conditions for the development and self-identification of the person in the educational process; Changes in teachers and students in activities and thinking, developments in relations between them, the

development of creative innovative communities and individuals.

An analysis of the problem of pedagogical innovation shows that the issue of implementation and implementation of them in the modern scientific team is much more important and discussed. Thus, the essence of innovative pedagogical activity, its structure and classification was considered in several scientific research. Thus, innovative activities are considered an activity in all cases, as well as a creative process, achieved the achievement of the person by a person, was carried out by an active, independent, target and creative person.

Innovative activity is an independent activity of students, creatively effective, the purposeful activities, using new tools to achieve activity, using new tools to achieve activity, develops as the subject of innovation as an innovative person. The result of innovative activities is the creation of new educational products, expanding new knowledge in science. It is always carried out along with the specific purpose of the student and the existence of actions aimed at achieving it. At the same time, such events can be individual and collective in nature.

There is no doubt that the formation of innovative ability requires a number of special, targeted work of the Education Organization to create specific conditions that ensure the development of appropriate personal qualities that provide the development of appropriate personal qualities. Innovative thinking and activity in practice largely to the educational environment at the university, teachers' ability and desire to use new technologies, and tutoring of schoolchildren in innovation.

In our opinion, we will include conditions that ensure the effective preparation of students on innovative activities.



1. Development of internal (personal potential), which provides success in innovative activity. These qualities can be among the qualities: independence, self-confidence, strenbeness, willingness to engage in innovative activities; This is due to the role of intellectual and natural tendencies, the development of social relations, the development of social relations, their uniqueness, their uniqueness, is consuming young people.
2. Creating an external environment that meets the needs and opportunities of the developing innovation subject. Under the influence of the ecological factor, both personal qualities and innovative thinking is formed, and also provide opportunities for self-awareness. The study of educational processes of mass schools, gymnasiums and lyceums identified the "role in the learning and development of the student as a meaningful topic." One of the goals of educational institutions development programs is to create opportunities for productive persecution in the creation. It is this that meets the requirements of training an innovative person.

In the process of mastering and upbringing, the development of the content of education will be developed to develop stimulating technologies. Such technologies include technologies that ensure cognitive technologies and humanitarian values and meanings that develop an intellectual resource of the innovative person. One way to develop students' creative potential is text models based on various maps, the main concepts, the method of "clusters", creative ways to solve problems and "brainstorm".

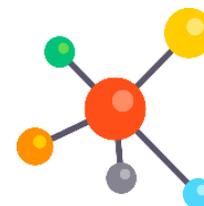
3. In addition to the strategies for stimulating innovative activities, we will see a teacher-studied relationship, which encourages cooperation with tolerance and students to seek any initiative and

determination, independence, students' opinion. In the teacher work, it is also important to search for methodical means that allow students to express their interests, encouraging the motives of winning and search activities.

Each of the three variables may affect another variable. The influence of a certain variable for various students and different students will vary. Sometimes the effects of the external environment are the strongest, sometimes internal forces are dominated, and some help the nature of relations with an innovative teacher. Thus, the target work aimed at adherence to these conditions, attracting the issues for them to attract students in creative, positive-oriented motivation, creative ability to develop innovative ability, innovative ability. The result of such activities is a creative product that students are ready to create creative, self-awareness, revealing the values of modern societal innovations, which are individuals receiving access to the personal potential of modern society.

Changes in methodology, on the one hand, should rely on the best experience in the domestic education system, their fruits are now used by the whole civilian world. On the other hand, in the education system and in the educational process, it is necessary to significantly strengthen elements that form the independent work, opinions, and creative qualities of the prospective engineers, scientists and entrepreneurs. For this purpose, the collection of independent work in search, identification, analysis, mastery, generalization, and creating knowledge is absolutely necessary to provide for this purpose.

To ensure this problem was conducted, the study of the independent work of students was conducted, taking into account the preparations for reports, the method of organization of advanced independent work of students. This method is designed to eliminate



the reproductive nature of providing discipline, especially in small courses. The first exchange rate studies were developed by research team to determine the motivation of the best preparatory process in the process of advanced training. Since students still have not faced the advanced systems of preparation for reports, it began to study the process of preparation for seminars by studying.

Answering the question about the fact that students are preparing for seminars, 30% of students always prepared, replied that 40% - sometimes preparing. The poll showed that students are also preparing for seminars (90% of students), some students are also preparing for classes on transportation or workplace. Naturally. Student Promotional Preparation Analysis of this preparation was tolerated by the point of point-ranking systems, they have a desire for more than half of students, saying that 30% of respondents were encouraged by oral questionnaires in the auditorium.

During conversations with students, the reasons for the largest electronic textbooks were identified:

- Low quality of manuals;
- Short of the presentation of the materials;
- Absence of a computer or internet;
- The difficulty of permission of the material from the screen.

Finally, when the students study the question before the lecture, it was found that more than half of respondents need to prepare for the upcoming lecture, at least, what was discussed in the previous report. Methodological work to ensure that students are the independent work of students So making a list of the forms and topics of independent work, development of the goals and objectives, instructions, reference, methodological and scientific literature.

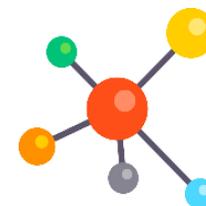
## CONCLUSION

The study confirmed that the frequency of groups affects the mastery of knowledge by students. When the frequencies of the seminars will help master the materials well, 86% of respondents spoke in favor of weekly seminars. Curricula of sciences lists list required materials needed to prepare for classes. During the study, it was important to understand which of the list of the sources recommended by students is more widely used. As a result, most students use reports and textbooks, low-level Internet textbooks, and only 30% of Internet textbooks.

An effective independent work of theoretical character is only successful and effective when there are necessary methodical materials for students. The use of virtual campuses to place these materials is effective, which must be placed in each topic: The structure and logical scheme of the topic content, which reflects self-learning elements, indicates its position in the course and other elements of the topic; explanatory presentations; List of applications for the topic. In the process of advanced independent work, it is proposed to use the forum with students to feed the feed, where students can ask questions about the complex problems of the course.

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