Focus on the research activities of future teachers based on a creative approach

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Abstract. *The modern education system requires further improvement of mechanisms for training research skills of future professionals on the basis of creative approaches and an innovative system of their implementation in practice. In this regard, cultivating the research capacity of specialists in the field of education on the basis of a creative approach plays a special role in creating innovations, creating intellectual resources for socio-economic development through the development of cognitive and divergent thinking skills based on modern pedagogical processes. This article is devoted to the development of research activities of future professionals on the basis of a creative approach.*

Key words*: education system, specialist staff, creative approach issues, research skills, research activities, innovative educational technologies, teachers, continuing education system.*

Priorities for improving the pedagogical and psychological factors of training research capacity have been identified in the training of specialists around the world. In this regard, scientific research on the development of the content and scientific-methodological base of training of competitive teachers, the development of non-standard pedagogical solutions in the educational process on the basis of self-activation, increasing motivation to learn educational materials plays an important role. In this regard, the training of research skills of future teachers in higher education institutions on the basis of a creative approach is of great scientific and practical importance.

In the context of the widespread introduction of the information environment in the country on the basis of a creative approach created opportunities for the development of sustainable interest of future teachers in research based on best international practices, creativity and innovative thinking was recognized as an important indicator. The material and technical base, the base of normative and legal documents, which provide education of future teachers on the basis of a creative approach and the formation of the qualities of inquisitiveness, have been radically updated. The Strategy of Actions for the Further Development of the Republic of Uzbekistan states "Stimulation of research and innovation activities, creation of effective mechanisms for the implementation of scientific and innovative achievements, establishment of specialized scientific and experimental laboratories, high technology centers and technology parks at higher education institutions and research institutes." were identified as priorities. Tasks in this area serve to scientificize the content of educational processes, the formation of cognitive and divergent thinking of students and the development of creative research activities.

Decree of the President of the Republic of Uzbekistan dated February 7, 2017 No PF-4947 "On the Strategy of further development of the Republic of Uzbekistan", Resolution of the President of the Republic of Uzbekistan dated April 20, 2017 No 2909 "On measures to further develop the higher education system" The study of this dissertation to some extent contributes to the implementation of the tasks set out in the January Decree "On improving the system of printing and distribution of books, the establishment of a commission to promote and promote the culture of reading and reading" and other

regulations related to this activity.

In the process of scientific research, emotional perception, abstract thinking, experimentation are reflected. The research process has an integrated system and is mainly formed and implemented in the process of continuing education. Higher education is one of the main links in the conduct of research work, practical applicants have a clear direction of research activities in the university.

It describes the content of such concepts as "future teacher", "research", "education", "ability", "research ability", "creative ability", "creativity", described from the point of view of authorship.

Among the scholars, D. Guilford (USA) distinguishes two types of thinking: convergent (logical) and divergent, that is, thinking that does not fit into a logical structure. The ability to apply knowledge creatively through convergent thinking or logical thinking is determined with the help of intelligence tests. Divergent thinking is determined with the help of creativity tests. This means that the effectiveness of the organization of students' research work depends on the level of student thinking, and thinking should be scientifically based, independent, logical. The development of the student's personality has its own characteristics. This is primarily characterized by an increase in their desire for self-improvement and an increase in interest in reading. One of the most important features of the student period is the development of the desire to think independently. Perception of being arises through forms of thinking. Each student must consciously follow the content, diversity, multifaceted features of thinking in their practical activities. Understanding real being is about teaching that education is relevant to life. For a student’s mind to be broad and comprehensive, the teacher needs to explain to students the life-related aspect of education. Only when the learner understands this can he devote his energy and knowledge to learning with interest. According to the pedagogical and methodological literature, a comprehensive study of pedagogical problems provides opportunities for comprehensive development of the student's personality, increasing the effectiveness of educational work, optimization of the pedagogical process, organization and management of education on a scientific basis. The fact that the organization of research work of future teachers depends on the level of their thinking has been scientifically substantiated by psychologists. In particular, the research of psychologist AV Brushlinsky emphasizes that thinking is a feature of the search and discovery of important innovations, predictions of hypotheses and theories.

Psychologist S.L. Rubinstein, on the other hand, developed the idea of thinking and called it the emergence of subject activity. E. Ghaziev described "Thinking is a mental process that directly and generalizes the reality of the environment through speech, a mental activity aimed at understanding, discovering and predicting social causation," N. Mahmudov said, "If a child's thinking ability is not taken care of , if it is not given a form, a direction, it will remain as an opportunity as a child grows up, or as a system of thoughts in a pattern. Such lazy and lazy thinking cannot be active, active, and therefore inquisitive and creative. ”

In this case: - It is difficult to engage in low-level independent scientific activity, the average level shows a conscious ability to manage scientific activity, and the high level in independent scientific activity to have management skills that allow to build a high level of accuracy, expediency, research activity and manifests itself in the ability to critically evaluate.

The meaning of directing future teachers to research work should always be borne in mind that in addition to the development of the state and society, there is a certain emotional need. issues of psychological cooperation are covered. The dissertation describes the following criteria that determine

the level of development of research skills of future teachers:

- to develop the research ability of future teachers, to understand the content of national and universal values, to reflect the content of national and universal values in research activities, to realize that human beings are the greatest value in research activities, creativity, analytical thinking in research activities, synthetic thinking, scientific - to draw conclusions based on the results of research, effective application of research results in practice.

Research activities always require a creative approach Based on the above analysis, nurturing research skills in future teachers based on a creative approach is one of the types of learning activities that allow students to continuously discover innovations for themselves. It is led by the idea of developing students' creativity and innovation. Research ability is manifested in the student's ability to think new scientific ideas, to make independent decisions. The content of educating future teachers on the basis of a creative approach is reflected in the fact that students focus on self-realization, identification and demonstration of their inner potential, the student works hard as a creator on research, and this work attracts with its novelty, creativity, originality. .

The analysis of modern approaches and foreign experience in the development of research skills on the basis of a creative approach to future teachers, methods of effective organization and quality of research skills on the basis of a creative approach to future teachers are identified, stages are identified, the problem of improving the effectiveness of education through a technological approach Based on the results and analysis of international and national scientific and practical conferences, the goals and objectives of creating a modern university model have been identified. The principles to be followed in this process are defined; development of methods, means and forms of activity; the content and scope of knowledge, practical skills to be acquired by the student-student-future specialist as a main object and subject of the educational process on technological approaches; their needs, abilities, interests and capabilities, level of preparation and the results to be achieved at the end of the training were identified in detail.

From the moment of admission to the student on the basis of the study of educational practice, special attention is paid to the professional training, along with an in-depth study of the scientific and theoretical foundations of each subject. In any research work, the scientific phenomenon studied is clearly described. The results of scientific research are consistently articulated through logical thinking and observation. On this basis, the implementation of fundamental research through the development of programs for the development of pedagogical research, teaching aids, experimental work leads to the improvement of scientific activity.

The XXI century is the century of intellectual development, in which the advanced creative people living achieve their perfection as a result of intellectual and creative activity. Today, every citizen of society lives under the influence of scientific and technological advances.

It is also important that techniques and technologies are constantly improving and evolving, and as a result, there is a growing need to train mature professionals.

A number of leading higher education institutions in the country have well-formed scientific schools, which train a large number of scientific personnel. However, given that such scientific schools do not exist in all higher education institutions, and given that a number of gifted and talented students are educated in these higher education institutions, there is a need to form a system of scientific training that is specific to all higher education institutions.

In the step-by-step system of orientation of students to research in higher education institutions, proposals are made for the organization of the following four stages of the process of preparing them for research and training as scientific personnel.

Step 1. Students will be under specialist supervision for 1 course. At the end of the academic year, students who are talented, knowledgeable and capable of research work are selected by the professors of the department and recommended to conduct research. Students are selected to conduct research based on a special selection process.

Phase 2. Selected students are attached to the leading specialists of the department and conduct research on the assigned topic for 2-4 courses. Based on the preliminary results of the research, abstracts, scientific reports, articles are prepared and presented at the end of the bachelor's degree as a final thesis. It is expected that 50% of the planned research work on the topic will be completed.

Stage 3. The research topic, which began during the bachelor's degree program, will be continued during the master's degree program, and the research work will be deepened to a certain extent. The results of the research will be discussed at scientific conferences, seminars, scientific debates and discussions. During this period, 80% of the total volume of dissertation research work should be completed. The results of dissertation research work of this volume will be sufficient to defend a master's dissertation.

Step 4. During the period of doctoral studies (aimed at obtaining the degree of Doctor of Philosophy (PhD)), the dissertation research work on the topic enters the final stage. During this period, the remaining 20 percent of the research work is completed and the dissertation is defended for the degree of Doctor of Philosophy.

There are a number of professional qualities that students need to acquire, and if they are not reflected in the teaching activities of young people in the future, lessons will remain ineffective in some respects. Because the quality of each profession of a teacher must ensure the achievement of effective results and influence the development of the student to one degree or another. Therefore, the professional and pedagogical requirements of the teacher are reflected in such important professional qualities as "scientific creativity", "organization", "research", "connection of theory and practice". The higher education system requires the student to ensure that all the necessary professional qualities, such as organization, practice, research, creativity, are formed at the required level. Orientation of students to scientific research in the field of pedagogy and psychology contributes to a deeper understanding of the laws of student research. These disciplines expand the opportunities for students to nurture their research activities based on creative approaches.

A comprehensive study of research work created in our country during the years of independence, in particular, the analysis of surveys conducted among students of Gulistan, Samarkand State Universities, Kokand State Pedagogical Institute (350 people in total) shows that the education of a harmoniously developed person is a priority.

The first manifestations of the results of their research activities are the thesis, article, independent work, abstract, course work, graduate work, master's thesis, methodical or scientific instruction (in collaboration with the scientific adviser), educational-methodical or scientific-methodical instruction (scientific scientific and methodological materials such as course development (based on pedagogical technologies), resume, annotation, scientific essay, scientific analysis (analysis, synthesis), scientific or methodical report, scientific project (including constructive devices), scientific or methodical

presentation prepares.

Many people think that having a certain amount of knowledge, having a diploma is enough to be a teacher. It is necessary to develop special tests to determine the professional qualities of students graduating from higher education institutions, the level of development of research activities.

CONCLUSION:

1. The Law of the Republic of Uzbekistan "On Education" and the National Program of Personnel Training, the Program of Integrated Development of Higher Education for 2017-2021, the Charter of the Youth Union of Uzbekistan in accordance with the requirements of society, comprehensively mature, harmoniously implemented ideas are widely implemented today The essence of the process of formation of personality and upbringing of qualified specialists, research-seeking youth is fully revealed.

2. Scientific analysis of values in society and social activism based on the achievement of social and personal superiority, the ability to independently define their goals and identify ways to achieve them as a source of self-confidence in society as an important factor in educating future teachers research skills on a creative approach .

3. It is necessary to take into account the integrity and unity of historical-philosophical, national, pedagogical-psychological factors, based on a clear methodological approach and theories in the development of research skills of future teachers on the basis of a creative approach.

4. The results of the research are an integrated approach to the development of research skills in students of pedagogical higher education institutions; to consider the learner as a person who needs pedagogical support, requires an individual approach; a stratified approach to the selection of the content, form and methods of scientific and creative work; harmony with nature; harmony with culture; shows that the organization of relations in the educational process should be based on such principles as a humane approach, a value-based approach.

5. The diagnostic system of educating future teachers on the basis of a creative approach has been improved on the basis of the development of a set of pedagogical and psychological diagnostic methods by identifying information-cognitive, personal value-oriented, emotional-expressive and activity-creative criteria and corresponding indicators. a model of elements that allow them to develop research skills, taking into account the level of creative activity; the system of social and pedagogical tasks on the solution of problematic situations is defined.

6. In the framework of the research, a modular technology was developed, which includes the goals, rules, objectives, content, methods, basic tools, forms of implementation of the training of future teachers on the basis of a creative approach.

7. The process of developing research skills in future teachers on the basis of a creative approach is the basis of modern paradigms of scientific and creative activity and serves to form the personal and professional position of future professionals.

8. In the context of information globalization, it is necessary to pay attention not only to the scientific outlook, but also to the feelings of students in the development of research skills in future teachers, to form in them moral skills and habits in accordance with the moral requirements of society

9. Improving the effectiveness of cooperation with families, communities and non-governmental organizations in the development of research skills of future teachers on the basis of a creative approach, taking into account the interdependence of motivational, action and value-oriented competencies in developing a culture of reading.

10. In educating future teachers on the basis of a creative approach, it is expedient to rely on the influence and interrelation of such mechanisms as the system of spiritual prevention, socio-pedagogical, scientific and creative activities and the combination of man-made civilization and research capacity.

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