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## **Basic Stages of Training to Research Activity Future Professional Education Teachers**

**Key words:** *process of preparation, basic stages, research activity, principles, approach, teacher of professional education, ability.*

**Annotation:** *coming from the modern level of development of science and technique, it is presently impossible to form knowledge and abilities of students at the level of requirements of state educational standards, not deciding the problem of preparation to research activity of future teachers of professional education, research activity of students is one of basic factors of preparation of highly skilled professionals. In this article the basic stages of process of preparation are examined to research activity of preparation of future teachers of professional education.*

Preparation of highly qualified specialists is impossible without higher education, introduction of creative research work into the educational process, acquaintance of students with the last achievements of science and technique. Science and project developments must go back into professional education, as they are inseparable from each other: science without education will not have a signup young shots, will lose many stimuli for development, and education without practice will not answer the requirements produced by modern reality.

President I. A. Karimov on opening of the international conference of "Preparation of well-educated and intellectually developed generation - as the major condition of steady development and modernization of country", underlined that the important place in reformation of educational process and training of the highly qualified personnel, needed at labour market, occupy higher educational institutions.

In the conditions of informatization of education, integration of science, education and production rise requirement to the teacher of professional education. The special role in the process of preparation of teacher of professional education has scientific research activity, providing preparation of high-professional creative personality apt at effective research and professional activity. Consideration of essence of research activity of teacher of professional education allowed scientifically to ground the process of preparation to research activity of future teachers of professional education in institution of higher learning. The basic leading ideas of preparation to scientific activity are the following: idea of organization of unity of educational and research activity; idea of the scientific providing of research activity; idea of continuity of development of research activity of students through the different forms of organization of educational activity. The enumerated leading ideas execute the system forming functions of process of preparation to research activity of future teachers of professional education of his separate subsystems, aims, maintenance, stages.

The aims of preparation of future teacher of professional education to research activity it is been: forming of the special knowledge, research abilities, skills; forming and development of scientific world view and requirement is in permanent development of personality-professional internals, perfection of future professional activity; development of methodological culture of future specialist; upgrading of professional education.

In basis of development of process of preparation of future teachers of professional education to research activity next principles are fixed: integrations of educational, innovative-research activity of students for passing from discrete organization of process of preparation to research activity to complex one, uniting the enumerated types of activity in research activity; providing of competitiveness of future teachers of professional education on the basis of high quality of professional preparation and readiness in research activity; to the complexity and sequences that allow all-round to describe and scientifically ground stage-by-stage logic of process of preparation and readiness to research activity.

Basic design of process of preparation of future teachers of professional education times to research activity are conditioned by logic of scientific research of pedagogical objects and includes the next sequence of executions : raising of aims and tasks of development of the stages of preparation to research activity; study of essence and structure of research activity of future teacher of professional education and feature of preparation to her; development of the basic stages of preparation to research activity; development of basic technologies, facilities, forms of preparation of teachers of professional education to research activity; exposure of terms and requirements to realization of process of preparation taking into account the specific of innovative processes in professional education.

Integral description of the worked out process of preparation of future teachers of professional education to research activity must be presented at the level of conceptual ground; at *общедидактическом* level and at *частнометодическом* level. A conceptual ground must contain a main idea, qualificatory the novelty of maintenance and structure of decision the set problem and to be it is presented by a few positions having a fundamental value for research.

Didactical presentation provides some criterion estimation of the investigated object from the point of view of laws, approaches, and principles of didactic theory exposes, as far as conceptual positions *корреспондируют* with a didactic theory and can be realized by means of the real action of her laws, principles. Methodical level arms practical workers that draw on the results of this research in practical activity, by the necessary mechanism of their realization. Like description of process on a chart "conception is the didactic providing - methodical presentation" creates a complete idea about the investigated object, well perceived by practice and has a high index of realization in the real educational processes.

Didactical description of process of preparation of future teachers of professional education to research activity contains description of theoretical approaches and principles that determine bases of preparation of teachers of professional education to research activity.

Understanding under approach the substantive provision of theory, qualifying direction, support of design of the investigated process, as a theoretical going near preparation to research

activity of future teachers of professional education it is necessary to list diagnostic system, scientific integrative approaches. We will show the role of the enumerated theoretical approaches in research of process of preparation of teachers of professional education to research activity.

From positions of this approach preparation of future teacher of professional education to research activity will be investigated and realized as an integral process in unity of all his constituents and at the account of influence on him all possible factors and built coming from the requirements of intercommunication of профессионально- of pedagogical, productive, organizationally-administrative, research, experimental, expertly-consultative, promotional, commercial activity of teacher of the vocational training. Integrative approach is sent to creation of the most favorable terms of educating and development of personality by providing of flexibility of maintenance of educating, adaptations of the didactic system to the necessities of personality and level of her base preparation by means of individualization of the educational program and integration of various factors of affecting personality-professional development.

At preparation of future teachers of professional education to research activity integrative approach takes into account optimization, structure of maintenance of educating and scientific research, providing of possibility of independent development student trajectories of educating, integration of maintenance of professionally-pedagogical, technical, productively-technological preparation, logic and intercommunication of the different stages of research activity of future teachers of the vocational training. Diagnostic approach provides possibility to determine the range of problems of research works, that is conditioned by the structural-functional parameters of scientific activity, from one side, and by volume of cognitions (systems of professional education) - with other; problem intention, ideas, strategies and research facilities. Scientific approach offers the deep theoretical analysis of array of scientific information, ideas, hypotheses and conceptions in informative society.

Preparation of future teacher to research activity leans against base principles of the system, continuity, complexity, interactive scientific character.

Principle of the system reflects intercommunication of all elements of process of preparation and stipulates a construction given as a logical system that provides the sequence of executions of subjects of научно- of research process and his results.

Principle of scientific character determines that realization of process' of preparation to research activity takes place on the basis of deep and complete scientific ground that reflects intercommunications of bases of sciences with a production. It results in forming of integral character of research professionally-pedagogical activity as the multidimensional phenomenon and to complex personality and professional development of student for an account a capture the methods of scientific research for the decision of pressing questions of development of education, production, economy, management, social spheres of society.

Principle of integration - the construction of process of preparation implies to research activity onther basis of forming for the students of the integral understanding of scientific processes, their intercommunications with innovative processes in society. Supposes integration of general

theoretic, professionally-pedagogical, special preparation, and also professionally-pedagogical, научно- of research, productive activity of students with the purpose of upgrading of профессиональной.подготовки.

To specific principles of preparation of future teacher of professional education principles of innovativeness behave to research activity, diagnose, passing ahead professional preparation, socio-economic conditionality of maintenance of preparation.

Principle of innovativeness - realization of preparation of future teachers of professional education supposes to research activity on the basis of aims, tasks, maintenance, technologies, forms of innovative education, that is directed to on forming universal morally mature personality, competent specialist with the developed professional and methodological culture, owning an innovative world view, apt at the generation of innovative decisions of professional problems.

Principle of diagnose supposes preparation of teachers of professional education to research activity on the basis of passing ahead maintenance of preparation taking into account the dynamics of development of innovative processes in professional education, production, technique, technology, economy, management, social sphere. Thus as a прогностической aim of preparation forming of willingness to use present knowledge, abilities, skills of making decision and action in non-standard problem situations comes forward to research activity.

Principle of passing ahead professional preparation determines the necessity of capture the teachers of professional education of diagnose of reasonable maintenance of preparation to research activity, combination fundamental and variant professionally-pedagogical, technical, Productively -технологической will allow to the students effectively and in good time to master the results of scientific researches in professional education, on a production, in an economy, management, social sphere, to promote the level of qualification and professional competence.

Principle of socio-economic conditionality of maintenance of preparation characterizes forming of maintenance of process of preparation to research activity on the basis of highly sought of this maintenance in concrete socio-economic, productive, pedagogical terms and on close intercommunication of personality and professional necessities of student and society. It provides development of personality sense of research activity of teacher of professional education and accordance to her innovative processes in society.

Methodical description of process of preparation to professionally-pedagogical activity includes stage-by-stage description of process of preparation of future teachers of professional education to research of pedagogical activity with pointing of maintenance, technologies, facilities, forms, requirements of realization of the process of preparation offered in practice.

On results research of process of preparation of future teachers of professional education to research activity in logic of forming motivational, cognitive to active readiness to this type of activity the next stages were distinguished: motivational-orientation; analytical-research;

model-diagnostic; organizationally-methodical; professionally-searching; reflection-evaluation.

Motivational-orientation stage. Provides forming of knowledge about research activity of teacher of the vocational training, development of necessities to research activity. Forming of motivation to research activity and realization becomes the result of the motivational-reference stage by the future teacher of the vocational training: to the necessity of perfection of professional education by means of research activity; roles of practical embodiment of product of research activity; to the necessity of permanent development of individual - professional internals.

The creative, communicative, reflection abilities of students, directed to the search of individual style of research activity, activated on this stage, at choice scientific direction.

Analytical-research stage. Provides forming of analytical-research abilities (collection of information for research, selection of problems and contradictions, analysis of the phenomena and processes of pedagogical reality).

Model-diagnostic stage. Provides forming of strategic scientific research abilities in the conditions of educational and non-educational activity (abilities to carry out searching activity, choose strategy and direction of scientific search, determine basic making researches);

Organizationally-methodical stage. Provides forming of organizationally-methodical scientifically research abilities (development of the research program, development of general and private methodologies, determination of criteria and indexes of quality of research works).

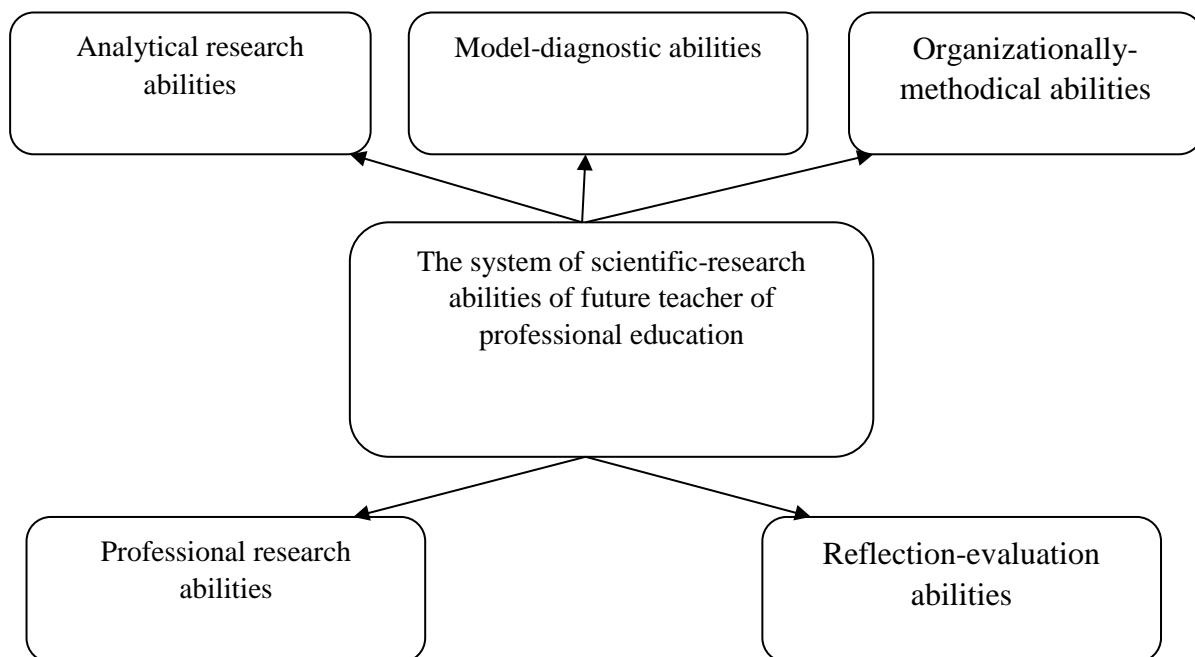
Professional- search stage. Provides forming of carrying-searching research abilities.

Reflection-evaluation stage. Provides realization of process of forming of scientifically research abilities. It is come forward the tasks of this stage development for the students of reflection abilities allowing estimating the results of research activity and change of level of personality and professional development.

Comes forward the table of contents of the reflection-evaluation stage: analysis and estimation of efficiency of professional pedagogical research activity; reflection of research and professional abilities and skills.

The result of process of preparation of teachers of professional education to research activity can be certain as personality and professional development of student, that is expressed in the formed system of knowledge about research professionally-pedagogical activity, formed scientific worldview of the developed requirement in personality development and perfection professionally of activity, practical readiness to realization of research activity. Here the developed methodological culture of future teacher of the vocational training comes forward a key result. A methodological culture is determined by the set of research abilities necessary for realization of professional activity: model-diagnostic, analytical-research, in methodical, organizationally-methodical, professionally-searching, reflection-evaluation abilities.

During research research abilities of future teachers of professional education (see a fig.) are educated: analytical research abilities (collection of information for research, selection of problems and contradictions, analysis of the phenomena and processes of pedagogical reality); model-diagnostic abilities (development of prototype of future object of research activity, raising of problem, choice of scientific direction, determination of basic constituents of scientific research, determination of aims and tasks of scientific search taking into account the state of science and necessity of practice); organizationally-methodical abilities (planning of an experience or experimental work, development of the program of research, general and private methodologies of research); professionally-searching abilities (realization of searching activity, analysis of the got information, generalization, systematization of new data); reflection-evaluation abilities (are realization of process of research detailed, realization and estimation of quality).



**Fig. 1 The system of scientific-research abilities of future teacher of professional education**

Combination of the enumerated approaches, principles, process of preparation of teachers of professional education provide theoretical methodical basis of preparation to research activity in engineer-pedagogical institution of higher learning in the conditions of integration of professionally-pedagogical education with scientific, productive, commercial structures, intensive development of the system of continuous professionally-pedagogical education, forming and development of single educational space of institution of higher learning. Described process of preparation of students - the future teachers of professional education to research activity are contained by the wide spectrum of possibilities for satisfaction of educational and professional necessities of students, he forms basis for creation of individual trajectories of personality-professional development of student.

Thus, worked out process of preparation of students - future teachers of professional education to research activity corresponds to the educed aims of preparation, characterized by a sequence, continuity, integration, technology, takes into account the specific of innovative processes in modern professionally-pedagogical education.

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