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DEVELOPMENT OF ENTREPRENEURIAL SKILLS AMONG STUDENTS OF TECHNICAL INSTITUTIONS THROUGH INNOVATIVE TECHNOLOGIES

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Abstract. *The article highlights quality of economical education in developed countries determined by the level of initiative of the staff, the level of development of its innovative and creative activity, the practice of developing entrepreneurial abilities of students based on socio-psychological trainings, business games, television shows, debates including reforms in the education system. Research is focused on issues of developing entrepreneurship in the future, improving mechanisms for their development creativity. Along with the foregoing, the article focuses on the sociological and anthropological components and ethno-regional factors of entrepreneurship development, the national mentality and principles of social partnership as a result of global research on entrepreneurship development.*

Keywords: *innovative technologies, education, students, initiative, intellectually developed, self-organization, openness, non-linearity, equilibrium, bifurcation, fluctuation, dissipative structures.*

Introduction

The quality of education is determined by the level of development of the skills of initiative personnel, their innovative, creative activity. In particular, in countries such as South Korea, China, Russia, Germany, France, the improvement of students' initiative on the basis of socio-psychological trainings, business games, television programs, debates has been studied and put into practice in the developed countries of the world,. Based on the internationalization of the educational process, priority is given to the preparation of competitive, creative, initiative personnel in socio-economic and intercultural relations.

In the world, expectant areas of scientific and pedagogical research are gaining importance in expanding pedagogical and psychological opportunities that develop professional initiative in future personnel, and in researching the design of a culture. Five important initiatives have been put forward in our republic aimed at attracting young people to culture and art, physical education and sports, using computer technology and the Internet, reading fiction, and increasing the social activity of girls. In addition, the country's legal system has updated the legal framework for improving the mechanisms for training competitive personnel, and created the material and technical infrastructure.

“Road maps” have been developed for the strategic development of higher educational institutions, and joint faculties and university branches are being organized, together with leading higher educational institutions of foreign countries. Reforms in the education system serve the development of initiative among future personnel, and improve the mechanisms for developing their creative potential.

In the Strategy for the Further Development of the Republic of Uzbekistan “Increasing the social activity of youth in the process of deepening democratic reforms and developing civil society, organizing effective activities of state authorities and administration, educational institutions, youth and other organizations in the implementation of State Youth Policy” [1] identified as priority tasks. As a result, sufficient opportunities have been created for the development and implementation in practice of a pedagogical strategy for the development of initiative in students of technical higher educational institutions.

Nowadays research related to the development of student initiative is carried out in leading scientific centers and higher educational institutions of the world, including The center of social sciences in Seoul national University (South Korea), Moscow State University (Russia), New York City Leadership Academy (USA), Hamburg University in Germany (Germany), University of Sorbonne (France), National Foundation for Educational Research (UK), University of South Australia (Australia), Nagoya University (Japan) [2].

Materials and methods

For the development of students' initiative, research is being carried out throughout the world in the following priority areas: improving pedagogical mechanisms for ensuring cooperation between state and non-governmental organizations in the development of students' initiative development of educational technology for the development of initiative among students; improving the conceptual framework for the development of initiative in students; improving the socio-pedagogical diagnostic apparatus and a set of methods for the development of initiative in students

Through the times people living in Central Asia considered the hardworking people to be good, cultivating such qualities as high morality, chastity, modesty, kindness, i.e. the entire family had the same requirements as the individual. Therefore, the perfection of the individual grew into the perfection of the family (collective), the perfection of the family into the perfection of the tribe, and it already led to the perfection of the people as a single and great collective of fighters for the right to a worthy life [3].

The virtues and their opposites include: the mind, it is clouded by irritation, bitterness; friendship, envy ruins her; conscience, greed destroys it; good upbringing, but it can be affected by a bad environment; modesty, licentiousness harms her; kindness, selfishness prevents her; happiness, jealousy destroys him [4]. At present, education, in its qualitative characteristic, is not only a value, system or process, but also a result, fixing the fact of appropriation by the state, society, and personality of all those values that are born in the process of educational activity, which are so important for economic, moral, the intellectual state of the educational sphere - the state, society, each person, the entire civilization as a whole [5].

Core ideas and principles of educating the young generation are reflected in the works of the great thinkers of the past, encyclopedic scientists of Central Asia and the East: Abu Nasr al-Ferrabi, Abu Raihan Beruni, Abu Ali Bin Siena, Yusuf Khos-Khojib, Ahmad

Mugnai, Jalaliddin Divane, Alisher Navai and many others According to the results of the study, the development of initiative in students requires the introduction and harmonization of a variety of approaches in the educational process. Based on the analyzes, a technology has been developed for introducing cultural-humanistic, synergetic, hermeneutic approaches to developing students' initiative (Fig. 1). [6].

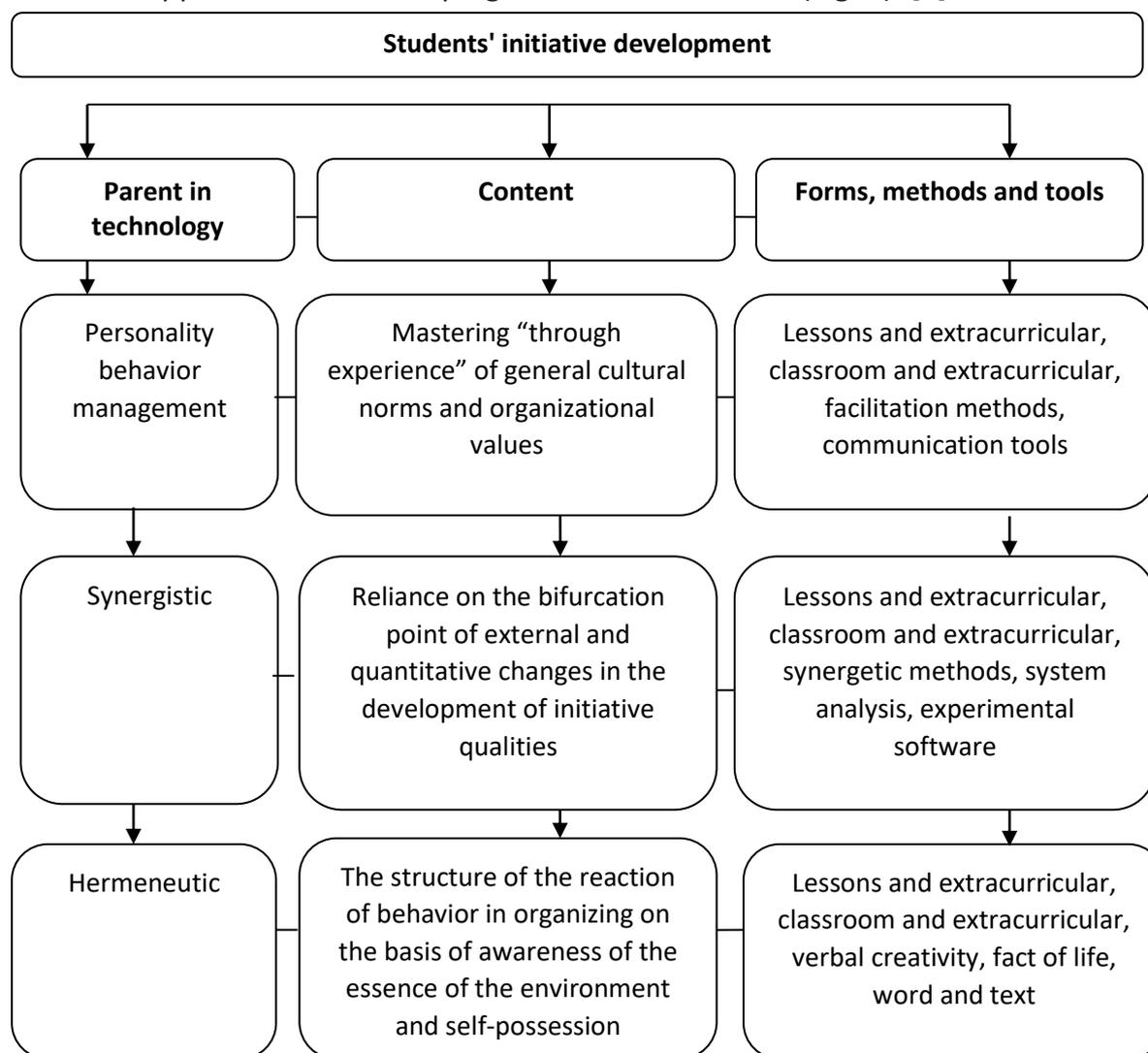


Fig 1. Technologies for the development of initiative in students

Source: This technology was developed by a dissertation, and is reflected in a monographic study. See: Dzhamilova N.N. Pedagogical mechanisms for the development of initiative in students of pedagogical universities. Monograph. - T.: "Fan va technology", 2018. - S.116-128.

Results

The unity of the word, pattern and practice requires the development of initiative among students. The formative influence should serve to ensure sustainable organization mechanisms and the development of student initiative resources, as well as behavior management. Based on the results of the study, we came to the conclusion that the technology for developing initiative in students should be based on the behavior model "show an example - explain - train".

The teacher presents students with a model for mastering initiative, their assessment, reflection of their attitude, as well as perception as a criterion of personal behavior. The technology of developing initiative in students serves to control the student's behavior: it stimulates socially positive actions and reduces socially negative effects. It is for this reason that in the model of behavior development of initiative among students, the introduction of an assessment, score and competition elements is of great importance.

Discussion

By a personality-oriented approach it is typical to understand a methodological orientation in pedagogical activity, which allows relying on a system of interconnected concepts, ideas and methods of action to ensure and support the processes of self-knowledge, self-construction and self-realization of a person, the development of his unique individuality. This definition reflects the essence of this approach and its most important aspects are highlighted: firstly, a personality-oriented approach is, first of all, an orientation in pedagogical activity; secondly, it is a comprehensive education consisting of concepts, principles and methods of pedagogical actions; thirdly, this approach is associated with the aspirations of the teacher to promote the development of the student's individuality, the manifestation of his subjective qualities [7].

We can express three components of this approach:

1. The basic concepts that, when implementing pedagogical actions, are the main tool of thought activity. Their absence in the consciousness of the teacher or the distortion of their meaning makes it difficult or even impossible to consciously and purposefully apply the orientation in question in pedagogical activity:

The basic concepts of a personality-oriented approach, in our opinion, include the following:

- individuality - a unique identity of a person or group, a unique combination of individual, species and common features that distinguishes them from other individuals and human communities;

- personality - a constantly changing systemic quality, manifested as a stable set of properties of the individual and characterizing the social essence of man; self-actualized personality - a person who consciously and actively realizes the desire to become himself, to fully reveal his abilities and abilities;

- self-expression - the process and result of the development and manifestation by an individual of his inherent qualities and abilities;

- subject - an individual or group possessing conscious and creative activity and freedom in cognition and transformation of himself and the surrounding reality;

- subjectivity - the quality of an individual person or group, reflecting the ability to be an individual or group subject and expressed by the measure of possessing activity and freedom in the choice and implementation of activities;

- self-concept - a system of self-awareness that is realized and experienced by a person about himself, on the basis of which he builds his life activity, interaction with other people, relationships with himself and others; choice - the exercise by a person or group of the opportunity to choose from a combination of the most preferred option for the manifestation of their activity;

- pedagogical support - the activities of teachers to provide preventive and operational assistance to children in solving their individual problems related to physical and mental health, communication, successful promotion in learning, life and professional self-determination.

2. The starting points and basic rules of building the training process and education of students. Let us call the principles of a personality-oriented approach: the principle of self-actualization, individuality, subjectivity, choice, creativity and success; principle of trust and support.

3. The technological arsenal of the personality-oriented approach is made up of methods and techniques that meet such requirements as: dialogicity and creative activity [8]. With the development of initiative, students should argue for a synergistic approach that requires consideration of the unity of non-linear action, randomness and external influences of this process [9].

The results of the study showed that with the development of initiative students do not have continuous stability, and this requires the need to rely on strategies for modeling educational situations, providing feelings, motives, relationships of subjects of the educational process.

We define the synergetic approach as a post-neoclassical interdisciplinary line of research on open no equilibrium and non-linear systems in order to study the processes of self-organization and self-development of social and natural phenomena. The main concepts of synergetic are "self-organization", "openness", "non-linearity", "no equilibrium", "bifurcation", "fluctuation", "dissipative structures", "attractor". Self-organization is a process or set of processes occurring in a system, contributing to the maintenance of its optimal functioning, contributing to the self-building, self-healing and self-modification of a given systemic education; pennies is a property of the system due to the presence of communication channels with the external environment for the exchange of matter, energy and information; non-linearity - this is the presence of a system of many options, including alternative, possible development paths and ways of system responses to external influences; no equilibrium is the quality of a system located far from the equilibrium state; bifurcation (translated from Latin means "bifurcation") – it is a branching of the paths of evolution (development) of an open nonlinear system; fluctuation (translated from the Latin language means "fluctuation") is a random deviation (change) of the quantities characterizing the system from their average values, leading under certain conditions to the formation of a new structure and system quality, i.e. to the emergence of a new system; this is a relatively finite, stable state of the system, which, as it were, attracts the whole set of "trajectories" of movement (development) of a system object [10].

Also, the results of the study made it possible to come to the conclusion that with a synergistic approach to the development of initiative in students, if the mutually educational influence departs from the point of choice (bifurcation), then purely external, quantitative changes occur in the behavior and activities of students. And the intermediate, instant pedagogical impact, consonant with the freedom of choice of students, can lead to a sharp change in the motivational and value-oriented sphere of activity, in this process it is advisable to give the subject the freedom of choice of action. With the development of initiative in students, it is necessary to pay special attention to

the internal potential of individual activity. Therefore, the pedagogical influence must take into account the nonlinear, random actions of the pupil in the process of self-awareness, adapt with natural actions and a high degree of activity. From the hermeneutic point of view, the development of initiative in students is directly related to the psychological experiences of the subject, manifesting in the form of experiences, turning to his inner world. The results of the study show the need for the assimilation of mental experiences through reflection, the service of the reaction of behavior, the subject of the development of initiative in students.

The processes of change are growing with tremendous speed in all spheres of human activity, including in the educational system and in professional activities. In this context, the integrative function of hermeneutics will ensure not only adequate perception and actualization of these changes, but also mediate the experience of trans-cultural traditions of world education. The use of hermeneutic methods of interpretation and understanding is becoming especially important in the context of modern scientific reality, where generally valid values have not yet been finally formed.

Based on the vast historical and cultural experience, hermeneutics will allow avoiding the traditional formulation of scientific problems, and, therefore, develop a different interpretation strategy, develop other technical procedures. As history shows, thanks to hermeneutics, such currents as the critical theory of society or so important for the study of strategies of science, culture and education as structural-semiotic analysis have become actualized.

A review of hermeneutical principles developed during the historical development of hermeneutical theory gives reason to argue that there are two completely different understandings of hermeneutics. The first focuses on the objectivity of the humanities, but at the same time tries to preserve the individual identity of its objects - it belongs to the classical (romantic, reproductive, reproducing, historical) hermeneutics. The second rejects the concept of the method and objectivity of the cultural sciences and focuses on the very possibility of understanding. It belongs to hermeneutics fundamental (philosophical, modern, ontological, integrative) [11].

Furthermore a vertical (historical) comparative analysis of the conceptual apparatus of hermeneutics showed that classical hermeneutics is a methodology of the humanities. Moreover, the study of the triad is essential for the process of understanding: the subject - the method of understanding - the subject. In modern hermeneutics, the subject of knowledge is called a hermeneutic or an interpreter, and the subject of hermeneutics is called an *interprendum*.

Nowadays the object of hermeneutics is understood as any manifestation of human culture, regardless of their specific form. The theory of hermeneutics abstracts from them, it does not matter to her whether it is about texts, paintings, buildings or about human behavior and actions, although, undoubtedly, we can and should talk about the hermeneutics of the text, hermeneutics of music, architecture, etc. Traditionally, The subject area of hermeneutics included, first of all, history, language, art, religion, law, customs and educational systems, that is, symbolic systems and structures of everyday life. These are mainly those subjects that are studied and dealt with in the framework of humanitarian knowledge during the 19th and 20th century.

Turning to a horizontal comparative analysis of the essence of the hermeneutic approach, it should be noted that with respect to any object of study it should be characterized by the triad "interdisciplinary - transdisciplinarity - multidisciplinary". "Transdisciplinarity" characterizes hermeneutics as a scientific methodology, research, in which various disciplines go "through" and "through" and go to a higher level, a meta level that is independent of a particular discipline [12].

Directly "interdisciplinary" means, first of all, the transfer of research methods and models used from one scientific discipline to another. "Multidisciplinary" characterizes hermeneutics as a scientific methodology in which the subject of study is studied simultaneously by several scientific disciplines. It is these properties that make it possible to apply the hermeneutic approach in such sciences as pedagogy, economics, sociology, etc. [13]

One of the founders of the hermeneutic approach in pedagogical research is the Tyumen Academic School of Pedagogy, headed by academician V.I. Zagvyazinsky. She specified the hermeneutic approach in pedagogical science at the level of conceptual use of A.F. Zaire, who introduced the term "pedagogical hermeneutics". By pedagogical hermeneutics, the author understands the theory and practice of interpreting and interpreting pedagogical knowledge, recorded in various written texts and reflecting ideas about pedagogical reality (a person as a subject of creative self-development, goals, mechanisms, principles, content, methods and forms of upbringing and self-education), with the goal of the most complete understanding and deep understanding of this knowledge, taking into account socio-cultural traditions, reflective understanding of the emotional and spiritual experience of a person society and personal spiritual experience of the subject of understanding [14].

Conclusions

To conclude, it should be noted that in recent years the education system has undergone a number of significant changes, therefore the support in the hermeneutic understanding only of texts and knowledge recorded textually is insufficient, because the informatization processes of the education system make it possible to speak not only about the text, but about information in general, which, in our opinion, is becoming an important resource of any education, any pedagogical technology. From this point of view, one should speak not about the hermeneutic approach, but about the hermeneutic technology in the learning process [15].

In the application of hermeneutic technologies of education in the development of initiative in students, it is necessary to pay special attention to the activation of their inner experiences, memories, imaginations, wishes and goals. In this situation, it is advisable for the teacher to perceive the students' verbal creativity as a system of individual values with initiative abilities. With the development of initiative in students on the basis of the hermeneutic approach, they came to the conclusion that it is necessary to take into account their awareness in the essence of life, the full manifestation of individuality

REFERENCES:

1. An action strategy in five priority areas of the development of the Republic of Uzbekistan in 2017-2021. "People's words" dated February 8, 2017.
2. Kadyrova R.M. Professional abilities of university teachers and their impact on the quality of education // Personality-oriented approach to modern teaching and upbringing .: Sat. scientific method. Art. - Tashkent, 2007. Part 1.
3. Volkov G.N., Baubekova G.D. Ethnopedagogy. - Tashkent, 2000
4. Andriyanova V.I. On the complex formation of the personality of a teacher of a new formation at the present stage // Personally-oriented approach to modern training and education: Sat. scientific method. Art. - Tashkent, 2008. Part 1. - p.p.64-72
5. Gershunsky B.S. Educational and pedagogical forecasting. Theory, Methodology, Practice: Textbook. allowance. - M.: Flint-Nauka, 2003.– 765 p.
6. Ismailova Z. et al. The role of modern women in society and family. Opción, Año 35, Especial No.21 (2019): - p.p.734-751.
7. Yuzlikayeva E.R. Pedagogical monitoring in lichnostno-orientirovannom obrazovatelnom Processes and Systems Vysshego obrazovaniya: Monograph. - Tashkent, 2007. - 188 p.
8. Umansky L.I. Umansky L.I. Personality. Organizational activity. –Kostorma: KSU, 2001. - 160 p.
9. Babakhodjaeva L.G. Design and implementation of a personally adapted intellectual learning system: Author. dis. ... cand. ped sciences. - Tashkent, 2009.-- 20 p.
10. The philosophy of education of the XXI century. - M., 1992.-- 178 p.
11. Zakirova A.F. Theoretical foundations of pedagogical hermeneutics. Monograph. - Tyumen: Publishing house of Tyumen State University, 2001. - 152 p.
12. Ismailova Z. Et al. The use of innovation technologies in the formation of students' professional competences. International joburnal of ingenering and advanced technology (tm) Volume-9 Issue-1. October.2019.1175 p.
13. Karimov I.A. The ideology of national independence - the conviction of the people and faith in a great future // Sobr. Op. - Tashkent: Uzbekistan, 2000.V.8. – p.p.476-495
14. Batarshhev A.V. Psychodiagnostics of communication skills, or how to determine the organizational and communicative qualities of a person. - M.: VLADOS, 1999.-- 176 p.
15. Zakirov E.I. Pedagogical foundations of the organization of independent work of students in grades 6-8: Abstract. dis. ... cand. ped sciences. - Tashkent, 2001.- 18 p.
16. Ismailova Z. K. and others. The role of the rules of design and planning of teaching technology at lectures in the preparation of future professional teachers // Pedagogy: traditions and innovations. - 2015.—p.p. 218-220.