



The Mechanism for The Development of Future Engineers in Higher Educational Institutions on The Basis of A Competency Approach

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Abstract

In this article, young engineers studying at a technical university are brief thoughts and comments on self-help developed on the basis of competence production, the use of methods and technology based on specific characteristics to obtain a judicial professional appearance. done . It is no exaggeration to say that the organization of the educational process in a methodical, non-traditional way, using information and communication technologies, is the main ground for the growing young generation to become mature specialists.

Keywords. Competence, methodology, education, information, knowledge, skill, qualification, pedagogy, personal, computer, culture.

In order to radically reform the educational system, prepare competitive specialists at the level of the requirements of the national and international labor market, the president of the Republic of Uzbekistan Sh.M. Mirziyoyev's appeal to the Supreme Assembly of January 24, 2020, a worthy contributor to the socio-economic development of our country, having the skills of applying modern knowledge and pedagogical technologies, systematic measures to further improve the education sector were established by training highly qualified specialists and introducing advanced educational technologies into the industry. Measures to raise the educational system to a new level, improve the quality of education on the basis of Advanced International Standards and increase the level of coverage with higher education are being developed and widely implemented.

The cultivation of the perfect generation is one of the main tasks of social progress in the Society of independence. It is complex to carry out the colossal tasks of strengthening our independent society without cultivating a harmonious generation to perfection in every possible way. Hence, the importance of pedagogical education, which is considered an integral part of the education of independence and from certain fragments of the maturation of students, is increasing.

Today, technology is one of the urgent tasks of teaching subjects to improve the quality of education through the effective use of modern educational and didactic materials, multimedia and media tools, and electronic resources. As a result of the use of modern information technologies in the educational process, it is possible to perfectly master complex technologies in a short time through electronic teaching aids, virtual stands, and to teach remotely.

It is necessary to have high activity for the use of electronic textbooks and manuals in distance learning. It is necessary that the e-Learning Guide for each subject has at least three basic components, such as training, exercise and control. The application of audio, video, telecommunications and technologies developed on the basis of the latest achievements of Science and technology in the field of education from modern educational and didactic means is of great importance. Therefore, getting acquainted with their didactic capabilities and learning to apply them in training will be of great help for future teachers in their future activities.



In higher education institutions, students are required to follow more knowledge in the process of passing practical classes. Because in this place, students first begin to acquire elementary knowledge in this area. Secondly, they discuss together the questions of the passing practical training. From the third, they think freely. Fourth, students approach some questions creatively. Fifth, in the process of discussing questions, they analyze reality professionally.[6, 101]

The problems that have arisen in the current process of globalization require assessment based on an axiological approach to social events and phenomena. In this regard, it is considered necessary to pay attention to the value of ancestors, their social significance for humanity, their dignity, their uniqueness. In the study of the foundations of science, attention is paid to the main achievements of each era, the development of society, the development of its culture, to what extent it is significant in spiritual heritage. Therefore, in military education, the values of wars, the fact that military service should serve to prevent environmental destruction, weapons of destruction, and not to harm the life of a person, are conveyed to the minds of every student.

The upbringing of a person at the level of a harmonious person in all respects is an extremely complex process, since very ancient times, mature people of society have been involved in this activity. This situation means that the upbringing of the younger generation, its organization, content are important in determining not only personality maturation, but also the development of society. These experiments are important in the creative application of teaching laws, principles used in teaching forms, in the practical application of ideas, theories, legalities related to scientific knowledge. It is especially natural that the upbringing of the younger generation in Uzbekistan, which has long been the homeland of great allomas, acquires a completely special meaning. The teacher is the person responsible for the education of the younger generation, which is the continuation of the scientists who build the bright future of Uzbekistan. Therefore, the image of the teacher in accordance with these requirements, his reputation among students, colleagues and parents, must be in accordance with the requirements of the present time.[3, 170]

As important pedagogical conditions in the preparation of future engineers, the following can be recognized:

the presence of regulatory and educational and methodological documents (state educational standard, model curricula, working curricula, exemplary educational programs, working programs, textbooks, teaching aids, methodological recommendations, additional special literature, instructional tools, lesson developments, projects, etc.) that can meet modern requirements;

- the high level of knowledge, skills and qualifications of scientific pedagogical staff (professor, Associate Professor, teacher, qualified training Masters, technical staff), sufficient formation of professional competence, as well as having scientific potential;

-the creation of a social and educational-technological environment (teachers, students, leaders and students, as well as the content, direction, unity of goals, etc.) of student interaction;

- the implementation of organizational and educational and practical activities in a consistent, continuous and systematic way.

-adequate provision of the educational process of the educational process in terms of material and technical (educational buildings, educational auditoriums, educational workshops, practical-laboratory Equipment), Information Technology (radio, television, computer, copying devices, laboratory equipment, audio, video, multimedia, the presence of a complex of technical means, etc.).[4, 285]

- An individual approach to teaching students in higher education institutions is also one of the main principles.

One of the main features that are present in the process of studying at higher courses of higher education is the rapid formation of the maturation of the student's personality. During this



period, it is important for the student to have the necessary mental ability to achieve social maturity, to prepare for social life. Although the desire for maturity in the character of students during this period continues to develop, but internal contradictions also arise in this regard. Some of the students also develop characteristics of apathy, apathy. In such a situation, it is important for students to develop qualities such as interest in acquiring knowledge, self-awareness, activation. But although this process is characterized by a lot of complexity, it is extremely necessary to compose such qualities as the most important qualities: initiative, independence, ingenuity, diligence, thirst for knowledge.[5, 204].

In conclusion, it can be said that in the process of educational work, it is important for the student to teach young people to creative thinking, changing situations, to organize activities based on free competition, and to use students in practical classes from information technology, electronic textbooks, versions and Multimedia. This requires students to develop independence, education of free thinking, analysis of educational activities, achieving a clear definition of their plans for gaining professional skills and computer literacy in the future into their inner need.

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