

The Main Approach to Improving the Introduction of Modern Technical Measurement Equipment Used In Production into the Educational Process

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ABSTRACT

the essence of applying the use of measuring equipment to education and the classification of measuring tools. The very important importance of using measuring instruments as an exhibition and the classification of ways to acquire skills and competence in the application of devices used in production to the teaching process are highlighted.

In the Decree of our President "On approval of the innovative development strategy of the Republic of Uzbekistan in 2019-2021" No. PF 5544, "The rapid development of all spheres of society and state life, modern innovative ideas, developments that ensure the rapid and qualitative advancement of reforms on the way to our country's entry into the ranks of the leaders of world civilization and requires implementation on the basis of technologies.

According to the requirements of the times, modern innovative technologies are rapidly entering all sectors of the economy today. A wide range of modern innovations are being introduced in industry, transport and service sectors, production, including education. Billions of US dollars in foreign investment are being attracted to these processes, and thousands of new technological jobs are being created and skilled personnel are being trained.

Currently, a number of changes are being implemented in new professional educational institutions as a result of reforming the content, quantity and quality of education, educational programs, and technologies. The implementation of these tasks is effective in ensuring positive solutions to the issues of economic development, poverty reduction, youth and women finding a proper place in life, and as a result, improving the well-being of our people. Is it possible to imagine work without measuring and measuring devices in modern life? It is possible. But it is very difficult! There are many measurement tools around us and we use them without thinking, we think you will discover a lot of new things after this master dessert analysis.

The role of the teacher is important in educating mature specialists, that is, experts in their field, in any field, so the changes in the professional and personal development of the teacher will be successful if their professional and personal development is carried out on the basis of a personal and active approach. When the teacher becomes the subject of his activity, he corrects, forms and

develops himself in the educational process and is ready to provide important education to his students. Only a teacher who applies the innovations of his subject in the educational process, uses them effectively, and is capable of creating innovations, will have innovative skills. Today, we are witnessing that not only the graduates of higher educational institutions of pedagogy, but also the graduates of higher educational institutions of other fields are engaged in pedagogical activities. We have already emphasized the need for deep knowledge of science, which is extremely important. At the same time, in order to deliver educational material to students, to support their independent learning, the teacher must have methodological competence, that is, delivery competence.

Currently, in order to achieve uniformity of measurements in metrology, all measuring instruments used must be properly calibrated and periodically compared or calibrated. For this purpose, high stability and accurate special technical means are used to measure unit standards - measuring instruments, to return the actual units of magnitude and to transfer their sizes to other measuring instruments. Learns methods of restoring units of magnitude using standards and ways to increase their accuracy, as well as methods of converting unit sizes, i.e., methods of comparison¹.

Students who have studied under the hands of such experienced mentors should develop into mature scientists and make a worthy contribution to the development of our country. With the help of this knowledge, they conduct research. The need for specialists in production will decrease. In the future, they are responsible for managing various processes and monitoring various technological indicators to achieve high-quality products in modern production. Modern information technologies are creating good opportunities for creating new teaching tools and methods. One of the most important and most difficult tasks in solving problems is the development of computer laboratory workshops and their application to educational institutions. In almost all industries, the role of control and measuring equipment is the most important in ensuring the quality and competitiveness of products.

Due to the universal measuring technique and simplicity of design, the scope of application of bore gauges covers mechanical manufacturing, mechanical engineering, machine and equipment repair, as well as many other jobs where accurate measurement of internal dimensions is required.

A methodology has been developed to assess the economic efficiency of quality control dimensions of parts using universal and special measuring devices. application of the methodology allows you to evaluate the impact and compare the new measurement tool with the measurement tool [4]

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¹ Metrology Wikipedia, the open encyclopedia<https://uz.wikipedia.org/wiki/Metrologiya>