Published Date: - 25-11-2025
Page No: - 320-323

WAYS TO IMPROVE THE IMAGE IN TRAINING FUTURE SPECIALISTS OF TECHNOLOGICAL EDUCATION

G. Shirmatova
Independent Researcher Of The National Pedagogical University Of Uzbekistan Named After Nizami, Uzbekistan

Abstract
The article is dedicated to the improvement of design skills for future specialists of technological education in the modern environment with the use of modern technologies, the implementation of sewing design programs in the educational process on the basis of foreign experience, problems, as well as their positive solution.

Keywords: Professional activity, technological progress, industrial enterprises, production, international organisation of labour, dual training, SNIISHP method, Myuller mehtod, SAPR, Gerber, Gemini, Julivi, Assyst, Graphics programs, Fashion Design, modeling.

Introduction
In the modern era, when modern technologies are being developed at a brisk pace on a daily basis, and the development of informatization in the country is growing with a renewed speed, particular attention should be paid to the organization of informational resources in the educational sector. The reason is that modern information technologies are actively involved in the production of sewing articles, which, like other branches, has a significant role in the development of the economy of our country. The use of modern information technologies in the educational process at the technological educational establishment is one of the most efficient means to reach the aim [1].

For the attraction of qualified foreigners, the most priority tasks would be, firstly, ensuring favorable conditions for production sectors, furnishing them with high-tech equipment, developing a high degree of digitalization with the application of information technologies on a mass scale in production, and, of course, providing qualified personnel with a high degree of potential. In the process of preparing qualified personnel, apart from developing skills, there is a need to enhance scientific potential, learn from foreign experiences by initiating a dialogue with people of globally recognized strong organizations, which would result in the development of domestic production, and make sure that local businesses are on an equal footing with others recognized globally, thus competing on a free scale in the international markets.

Following the reforms introduced by our President, our country, Uzbekistan, is now working on implementation projects such as human resource development, scientific projects/grants, development projects, and cooperation projects with foreign producers for the development of the textile industry. It is in this regard that, together with the ITMF International Textile Manufacturers Federation and the IAF International Apparel Federation, a Forum has been organized to discuss the issue “Innovation, cooperation & regulation - drivers of the textile & apparel industry.” This Forum is attended by representatives from our industry, such as raw material suppliers, spinners, weavers, machine suppliers, cloth, home textile, clothing,

equipment, retailers, people who are supposed to find solutions to existing problems, and researchers/lecturers. Industry experts & leaders would discuss how innovation, cooperation, & regulations are linked with our sector, as well as how they will impact on our sector in the future. International conferences & projects are useful in developing our textile industries globally because they increase our exports & imports of textile goods via healthy competition.

Together with the ITMF and IAF Federations, necessary information for digital product development, as well as development of 3D design, will be provided in order to facilitate the exchange of information within all segments of the textile industry value chain, thus ensuring that industry trends are of international standards.

In the result of scientific projects and developments within the framework of international events, there will be created favorable conditions for the development of competitive personnel with respect to the training of personnel on the basis of market requirements, modern educational curricula on the basis of foreign experience, and a technological education system.

In the modern era, when new technologies are emerging every day, and the informatization process in the country is developing intensively, particular attention is paid to organize the information resources in the educational sector. This is because the information technologies are being actively attracted to the sector of garment production, which, as all other sectors, has a particular importance in the development of the economy of our country. In the technological education, the application of modern information technologies in the educational process is one of the most effective means, which helps to accomplish the goal [2].

Naturally, in the process of developing professional competence, highly improved deep professional knowledge is required. It would be useful to trace a particular synthesis of knowledge from professional disciplines for future specialists, providing information on the nature of the knowledge taking part in a certain synthesis, the interrelationship, structure, as well as relationship with other disciplines.

In contemporary socio-economic environment, characterized by high requirements concerning the level of professional education, a priority goal for future educators of technological education is the acquisition of professional competence that would enable students to easily find themselves in the job market. In that respect, at the present, in keeping with developments within modern pedagogic thoughts, a positive shift is taking part in terms of these goals. It should, of course, be remembered that in this particular instance, the knowledge level cannot exceed the educational structure but, on the contrary, be a guiding one. In that respect, it is not only essential that a particular learning activity is characterized by a certain amount of information, but a significant role is played by the capacity to necessarily resolve problems that arise in particular situations.

In the area of training specialists in technological education, it is useful to carry out education in a two-fold process, theoretical classes combined with practice in the form of an educational process. Such a process results in the development of technological education as a result of social partnership, which is a means of cooperation between the state, employers, as well as different organizations, for preparing highly qualified personnel on the basis of labor market needs.

The technological education is also perceived as an educational process that has been adopted within the conditions of a market economy, which has a direct and indirect impact on the development of technological education globally, including Uzbekistan. The educational

program, which is developed in cooperation with representatives of an educational establishment, as well as with an enterprise on the basis of the so-called dual educational system, leads to a successful development of technologically significant skills [3].

Until recently, the science of designing and modeling sewing articles relied on highly reputed design systems (SNIISHP, Muller, etc.). Of course, it is capable of providing a hundred percent result in patterning. Presently, fashion designers in modern sewing enterprises conduct their work on the basis of automated computer-aided design (CAD-software). By applying CAD-software in enterprises, a perfectly developed design of a particular product is retained in the computer's memory with a view to having a repeat design of the basic product design in terms of a fresh design of a particular clothing article any time. The prepared design projects are commonly retained in the computer's memory. Prior to the product's production, the design is printed via a plotter, necessary alterations are brought in the basic design, and afterward, it is cut from the cloth.

The research concerned the application of modern sewing design software in reliable sewing enterprises of our capital. On the basis of the statistical data, obtained from our research, it was revealed that from the existing ones, such as Gerber, Gemini, Julivi, Assyst, Grafis, etc. sewing design software, the Gemini, Assyst system is in use as the most preferred CAD software.

In our opinion, on the basis of the obtained data, future specialists in the area of technological education need theoretical and practical studying of such CAD systems in order to work in a certain enterprise in this area.

For the implementation of sewing design programs, the following tasks need to be accomplished:

enhance the quality of garments, thereby shortening the production time for the product by automating the design process of garments;

attract specialists (pedagogues) with skills in applying new information technologies in professional activity;

the classical content of vocational trainers in the area of modeling and designing clothes, as well as the enhancement of skills in making optimum technical decisions owing to computer technology use.

In other words, by overcoming the problems listed above, it is possible to enhance the design capabilities of technological education experts by ensuring the efficiency of computer modeling software application in the practical process using modern technologies.

As a conclusion, the improvement of design skills of future specialists in technological education is a multifaceted and strategically important task in the context of rapid technological progress and the digital transformation of the textile and garment industry. The effective integration of modern information technologies, particularly computer-aided design (CAD) systems, into the educational process significantly enhances the professional competence, creative potential, and technological readiness of future specialists. The combination of traditional garment construction methods such as SNIISHP and Muller with modern CAD software (Gerber, Gemini, Julivi, Assyst, etc.) ensures continuity between fundamental professional knowledge and innovative digital tools. This integrated approach allows students to master accurate pattern construction, optimize design processes, and adapt more easily to the requirements of contemporary industrial enterprises.

Thus, the systematic introduction of modern sewing design programs, the modernization of educational content, and the strengthening of international cooperation serve as key factors in enhancing the quality of technological education. These measures not only support the professional development of future specialists but also contribute to the sustainable development and global competitiveness of the national textile and garment industry.

References

1. Decree of the President of the Republic of Uzbekistan dated May 1, 2024 No. PF-71 "On measures to bring the development of the textile and sewing and knitting industry to a new stage".
2. Vocational education. Scientific-methodological, practical-educational journal. 2020. No. 1.
3. Information technologies in education. R. Hamdamov, U. Begimkulov, N. Taylokov. UzME State Scientific Publishing House. -T.: 2010.
4. Data from OON DESV (UN Department of Economic and Social Networks).
5. Data from the UNESCO UNEVOC TVET (Vocational Education) system – 2013.
6. SNIISHP. Methods of Garment Construction and Design. Moscow: Light Industry Publishing, 2011.
7. Gemini CAD Systems. Automation of Apparel Design and Production Processes. Technical Manual. Romania, 2020.
8. International Textile Manufacturers Federation (ITMF). Global Textile Industry Trends and Digital Transformation. Zurich, 2022.