INTERNATIONAL MULTIDISCIPLINARY JOURNAL FOR RESEARCH & DEVELOPMENT
SJIF 2019: 5.222 2020: 5.552 2021: 5.637 2022:5.479 2023:6.563
eISSN 2394-6334 https://www.ijmrd.in/index.php/imjrd Volume 11, issue 02 (2024)

KASB-HUNAR MAKTABLARIDA MASHINASOZ MUTAXASSISLARNI TAYYORLASHNING INNOVATSION YO‘LLARI

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Jizzax viloyati Mirzacho‘l tuman kasb-hunar maktabi katta o‘qituvchisi

Annotatsiya: Maqolada kasb-hunar maktablarida mashinasoz mutaxassislarni tayyorlashning dolzarb muammolari tahlil qilingan bo‘lib, bu borada mashinsozlik mutaxassislarni tayyorlashda xorij tajriabasi, hamda milliy ta’lim texnologiyalari va tajribalari asosidagi ilmiy fikrlar, taklif va tavsiyalar hamda xulosalar bayoni berilgan.

Kalit so‘zlar: Innovatsiya, tendensiya, axborot, kasb-hunar maktabi, mashinasozlik texnologiyasi.

IN VOCATIONAL SCHOOLS

INNOVATIVE WAYS OF TRAINING MECHANICAL SPECIALISTS

Annatation: The article analyzes the actual problems of training mechanical engineering specialists in vocational schools, and in this regard, scientific opinions, proposals and recommendations, and conclusions based on foreign experience in training mechanical engineering specialists, as well as national educational technologies and experiences are given.

Key words: Innovation, trend, information, vocational school, engineering technology.

Innovative processes in the rapidly changing modern conditions in the world require the search for resources to improve the training of highly qualified and creatively thinking personnel with intellectual potential. In this regard, the choice of development based on the innovative trend, the creation and introduction of modern technologies, the increasing role of knowledge, intellect and information in the socio-economic development of the country creates a mass demand for innovations. This requires new forms of integration of education, science and production processes, and sets the task of training innovative specialists as a primary task for higher education.

One of the effective methods used in innovative education is "contextual education". In this case, the motivation to acquire knowledge is achieved by establishing the relationship between the identified knowledge and its application. This method is effective enough, because the application of knowledge in practice is very important in the formation of the innovative potential of future specialists. The innovative potential of future specialists is an integrative professional personal quality, which includes knowledge, skills and attitudes that determine the readiness to use new information. These are promoting competitive ideas, creating innovative projects, using new techniques and technologies, finding ways to solve non-standard problems and new innovative ways to solve standard problems.

It is aimed to develop forms of remote work in the country, to create and support conditions for graduates of educational institutions and young people to acquire modern professions, as well as to ensure that they become fully qualified specialists.

The decision of the President of the Republic of Uzbekistan "On additional measures for the development of the system of vocational training of students" was developed. Based on these, the following are defined as the main directions of the implementation of the new system:

- determining the need for competitive professions in the domestic and international labor market and determining the necessary skills;
- self-employment by specialists of general secondary education institutions starting from the 7th grade of students by acquiring a profession and providing services (doing work) via the Internet to determine the interests of such students and to create a database of such students;
- integration of the database of students with a high interest in professional acquisition and freelancing with the electronic database of employment of graduates of general secondary educational institutions, creation of an information system for online monitoring;
- students who, after the 9th grade, can study in vocational schools for specific working professions based on the analysis of the professional inclination of students of general secondary educational institutions to carry out vocational guidance among;
- On the basis of the lists approved by the Ministry of Neighborhood and Family Support, 10th grade students who are children of low-income families, with the consent of their legal representative, in all state and non-state organizations that teach professions and freelancing. issuing documents (vouchers) covering winter expenses;
- development and introduction of educational plans and programs, procedures for internships, educational and methodological manuals for graduates in relevant professions;
- development and implementation of effective forms of career guidance for students of general secondary educational institutions;
- to guide 10th-11th grade students of general secondary education institutions to a profession based on the (variable) curriculum in the field of elective subjects;
- in cooperation with interested ministries and agencies, local government bodies and business entities, to help provide employment to 11th grade graduates of general secondary educational institutions with certificates in vocational fields;
- in cooperation with the educational organizations of the republic, on the basis of advanced foreign experience, to organize professional training and retraining courses for vocational guidance and training of students of the graduating class of general secondary educational institutions.

As a result of the implemented reforms, the teaching content of all academic subjects is being improved based on the State educational standards. In order to increase the effectiveness of these reforms, it is important to further improve the content of education in educational institutions, to improve the provision of textbooks and educational literature in the educational process.

During the past period, the development of new State educational standards for the system of professional education became the basis for the creation of a new generation of educational programs and educational literature in specialized subjects.

In a short period of time, a number of textbooks, educational literature, and electronic textbooks were created and implemented in the educational process for mechanical engineering vocational schools.

Improvement of the training of specialists in mechanical engineering vocational schools depends primarily on the content of specialized subjects and the level of their training. The analysis of the educational process of vocational schools requires an integrative approach in determining the content of specialized subjects in vocational schools.

In the teaching of specialized subjects in vocational schools of mechanical engineering, ensuring the integrity of these subjects, implementation of integration implies the following goals:

- ensuring the integrity of mechanical engineering knowledge;

- organization of systematization of knowledge;

- to ensure the same approach to the formation of common understanding, skills and qualifications;

- to strengthen the professional orientation of education;

- formation of students' knowledge, practical skills and skills on the existence of comprehensive connections between phenomena, laws, concepts, theories.

In order to organize classes on the basis of this interdisciplinary connection, it is necessary to first of all determine the content of educational materials of an integrative nature.

The high level of practicality and closeness to production in the study of specialized subjects shows that they are clearly different from general education subjects. In specialized subjects, the student's chosen profession and methods of activity are fully revealed. For example, in the direction of "Mechanical engineering technology, machinery production equipment and their automation", the specialty disciplines are the structure, type and rules of use of equipment, repair methods and technical service, technological knowledge of the profession being studied. reveals the technology of performing processes.

Expanding the field of practical application of knowledge in specialized sciences arises from the need for their collective use. Integrated study of specialty subjects in the training of junior specialists in mechanical engineering vocational schools: optimization of educational content, comprehensive and thorough study of issues that are important in the activities of future junior specialists; to ensure consistency and harmony of educational, educational and developmental goals of training; "transferring" acquired knowledge and methods of professional activity to previously unknown situations and situations, that is, formation of logical thinking, independence and creative abilities in students, a great opportunity to improve the quality of training of junior specialists in general creates.

In some cases, the expression of integration of knowledge in the process of teaching specialized subjects in the specializations in the direction of "Mechanical engineering technology, mechanical engineering production equipment and their automation" is manifested in interdisciplinarity.

The following conditions are the basis for increasing the efficiency of integrated teaching of specialized subjects in vocational schools in the direction of "Mechanical engineering technology, mechanical engineering production equipment and their automation":

1. Bringing the sequence of imparting polytechnic knowledge into one system based on integration in the study of specialized sciences.

2. Coordination of the methodological goal of implementation of integration.

3. Implementation of integration through special tasks, exercises, creative, work, games, production situation practical work.

Integration processes in the professional education system are a very important and objective necessity in the professional training of a junior specialist, and are a mechanism that directs students to creative maturity. Consequently, the effective functioning of such a mechanism in

education utilizes potential opportunities that are not used in education and provides a new quality in the professional training of young students. In this way, it is possible to improve the process of training specialists in mechanical engineering vocational schools.

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