

Orientation of Students to it Professions in the Digital Economy

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Annotation: This article discusses the important issues of focusing on digital knowledge and information technologies based on the requirements of the digital economy and the labor market in the purposeful and targeted orientation of students to the professions in the IT field.

Keywords: labor market, digital economy, employment, IT professions, information systems, software product, cost, financial and economic activity.

In the current age of globalization, in a time when digital technologies occupy an important place in all sectors of any country, it is important to pay attention to digital knowledge and information technologies in order for the society to achieve more stable development and progress. The digital economy is growing rapidly in developed countries, and it is no longer enough to clearly understand the origins of the digital age, to predict its future prospects, to what extent it will penetrate and affect the socio-economic spheres, and to direct students to IT professions based on the demands of the labor market. is a very important issue.

The priority directions for the development of the digital economy are defined in the decree of the President of the Republic of Uzbekistan No. PF-6079 dated October 5, 2020 on the approval of the "Digital Uzbekistan - 2030" strategy and measures for its effective implementation.

Including:

- to harmonize the programs of introduction of modern information technologies in industrial enterprises with programs of technological re-equipment of these enterprises;
- to improve the quality of products and services, reduce their cost, stoppages in production, increase the transparency of financial and economic activities due to the introduction of modern information systems and software products;
- improvement of the legal framework for the introduction of innovative automated management systems and software products;
- gradual automation of workplaces and robotization of production processes, as well as introduction of artificial intelligence technologies;
- by implementing a management information support system, including a real-time business analysis system improvement;
- automation of production and management processes introduced in industrial enterprises (ERP, MES, SCADA, etc.), introduction of technologies such as "Internet of Things", "artificial intelligence";

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- implementation of the mechanisms of using software modeling systems for the comprehensive development of the transport system;
- on the basis of public-private partnership for digitalization of the insurance system development and implementation of digital insurance implementation mechanisms reach;
- gradual transition to a digital logistics system in order to improve the logistics system and introduce digital technologies;
- development and implementation of robotic industry in real sectors of the economy;
- organization of robotics and engineering specialties for large industrial enterprises;
- high-priority tasks such as widespread introduction of additive (layer-by-layer construction and synthesis technology, 3D printing) technologies are set in production enterprises. Taking into account the strategic goals of our country and the demands of the labor market, the following are the guidelines for directing students to IT professions it is desirable to pay attention to:

Including:

- ✓ research from the modern informational and didactic point of view of the system of purposeful and targeted orientation of students to professions in the IT field;
- ✓ study of advanced foreign experiences in targeted and targeted orientation of graduating students of developed countries to professions in the field of IT technologies and computer programming and their implementation;
- ✓ development of socio-economic, modern pedagogic and practical foundations of targeted orientation of students to professions in the field of IT technologies and computer programming;
- ✓ formation of a system of purposeful and targeted guidance of students to professions in the field of IT-technologies on a scientific basis;
- ✓ creation of an information-didactic support platform aimed at ensuring the effectiveness of targeted and targeted orientation of students to professions in the field of IT technologies and computer programming;
- ✓ By integrating the "One Million Programmer" project into school curricula, organizing in-depth teaching of IT technologies and the basics of computer programming to students;
- ✓ introduction of modern methods of education and assessment of students' knowledge in the field of IT, wide use of digital educational tools and distance education;
- ✓ to ensure adaptation of educational programs to the requirements of the digital economy and to develop cooperation with educational and research institutions, state agencies and network enterprises in this regard;
- ✓ familiarization of students with software products and information technologies, activities of IT-parks.

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