

DIGITAL DIDACTIC PROVISION OF TEACHING INFORMATION COMMUNICATION TECHNOLOGY IN LOGISTICS SYSTEMS

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ANNOTATION

In the article, the large-scale reforms carried out in our country today will entail the formation of a system of continuing education in many ways. The training of qualified, deeply educated specialists who think in a new way, are able to successfully farm in market conditions, especially qualified personnel who can make extensive use of information technology, continues to be a requirement of the period. Su bois studied the integration of information and communication technologies (ICT) into all areas of modern logistics, the digital didactic provision of people's knowledge, practical problem solving and training.

Keywords: Logistics, Information , Communication, Technology, tools, computer, transportation, digital technology, didactic supply.

The law of the Republic of Uzbekistan "on Education " approved on September 23, 2020, PF-4947 of the president of the Republic of Uzbekistan "on the strategy of Action for the further development of the Republic of Uzbekistan"dated February 7, 2017, PF-5789 "on the introduction of the system of continuous training of the executive and pedagogical personnel of higher educational institutions"dated August 27, 2019, PF-5847 of October 8, 2019 and PF6097 of October 29, 2020 on approval of the concept for the development of the higher education system until 2030, as well as the Cabinet of Ministers of the Republic of Uzbekistan on September 23, 2019 on further measures for the improvement of the qualification system of the heads and pedagogical staff of higher education institutions on September 23, 2019 in the case of Logistics Systems, a program is created on the subject of Information Communication Technologies, which aims to develop professional skills and innovative competence of pedagogical personnel of higher educational institutions, to improve the skills of advanced foreign experience in the field, mastering new knowledge and skills, as well as introduction into practice.

The development of the application of Information Technology in logistics systems in economics, management, communication, scientific research, education, service sector, commercial, financial and other areas of human activity is a direction that

determines the development of informatization and society. At the expense of the use of computer technology, an effective increase in the scale of information processing is achieved.

Teaching tools are a variety of materials, e-methodical supplies, devices, and technologies used to effectively organize the teaching process and facilitate knowledge acquisition. They help to ensure the interaction between the student and the teacher, to acquire knowledge and skills.

The use of teaching tools in the organization of classes provides the following opportunities:

- * increases student interest;
- * relieves visualization of knowledge;
- * simplifies complex concepts to help explain the material;
- * strengthens knowledge through discussion, experience and interactivity.

In the development of an educational resource on the subject of “Information Communication Technologies in logistics systems” in the areas of logistics of higher educational institutions, the decree of the Cabinet of Ministers of the Republic of Uzbekistan No. 187 of 2017 № 5 Chapter 4 is based on the “requirements for the development of educational and methodological complexes”. Didactic, scientific-methodological, pedagogical-psychological, aesthetic, hygienic requirements were relied on in it.

Several research scientists have expressed their opinion on the creation of digital educational platforms, electronic methodical supplies. In particular, electronic educational and methodological materials should be didactically planned, provided with multimedia and interactive elements for independent education or training, open and understandable materials. E-learning materials can include images, video rollers, text, animation, audio recordings, simulations, software-supported files (presentations, word files, PDFs, etc. E-learning materials are one of the tools in achieving an educational goal. For this reason, certain e-learning material cannot guarantee the achievement of an educational goal. However, the creation of e-learning materials using certain assessment methods in the form of an e-course on the basis of a curriculum can help to achieve a pedagogical goal. In this process, based on didactic principles, each e-learning material is required to perform a certain pedagogical function.

The digital education course should have a clear purpose and completed content, as well as be formed from a number of educational units provided with pedagogical technologies that facilitate learning.

The science of Information Communication Technologies in logistics systems " includes several types of content information. These include:

- theoretical
- logistic system history
- current state of the logistic system
- prospects for the application of Information Communication Technologies in logistics systems
- theoretical data on logistic system networks
- applications of automated design systems in transport areas
- network technologies in logistics systems.
- network services in Transport areas.
- Control technical devices on a remote network.
- modern programming technologies.
- programming languages and systems, their use and classification.
- Python programming language environment.
- program elements.
- computational technologies in logistic systems.
- computational issues in logistic systems
- linear programming issues.
- structure linear models of processes.
- methods of solving the Transport issue.
- method of potentials of solving the Transport problem.
- practical
- technology for creating and processing complex documents in logistics systems
- solving engineering and transportation issues in the MATHCAD program
- work with applications applied in logistic systems;
- operators in Python programming language
- Data and their types in the Python programming language
- conditional transition operator
- cycle operators
- external functions and methods of working with numbers
- math module
- random module
- work on issues related to the array
- approximate calculation of exact integrals using practical applications

- solving differential equations through practical applications
- solving linear programming problems in spreadsheets
- solving the Transport issue in spreadsheets
- moral
- theoretical data on the types and elements of the logistic system;
- use of Information Communication Technologies in logistic systems;
- ethical aspects related to ensuring the inviolability of human rights in the application of Information Communication Technologies in logistic systems and its extension for human development in the future;

Trends in the development of digital logistics by deepening the theoretical-methodological, scientific and legal knowledge of Information Communication Technologies in logistic systems of future specialists specializing in Logistics in the conditions of digitization of the economy, studying the latest, advanced achievements of world experience in this regard, with the most advanced experience of applying digital technologies to the field of logistics, the introduction of Information Communication Technologies in logistics systems in courses is significant in the continuation of the positive trend associated with technology in the future.

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