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STEPS TO DEVELOP DIGITAL COMPETENCE THROUGH CLOUD TECHNOLOGIES

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Annotation: The choice of cloud technologies is one of today's important tasks of training specialists who are active in the information or digital society.

Аннотация: Выбор облачных технологий – одна из важных сегодня задач подготовки специалистов, активных в информационном или цифровом обществе.

Keywords: Cloud services, electronic educational resources, cooperation, collective, transformation, collaboration, partnership, private partnership, IT-park

The application of modern digital technologies to the educational process makes important demands on future specialists. Especially important are cloud technologies, which ensure the development of education on the basis of transformation (harmonization) to digital education and collaboration (ensure cooperation, teamwork). Selection of such technologies is one of today's important tasks of preparing specialists who are active in the information or digital society.

Development of digital competencies of future teachers in the digital age; development of information search, processing and analysis competencies, media literacy; successful teamwork, cooperation, business negotiations and development of communication skills are the main directions.

The use of services such as an interactive calendar and wiki, interactive whiteboard and online presentation, infographics and mental maps, especially in the development of projects, serves to ensure the development of teamwork skills.

Cloud technologies provide effective development of teamwork skills. Emphasis on these technologies is chosen as the basis for the main areas of training of future teachers in the digital society. Digitization of society has a significant impact on education as well as on production. Therefore, the cooperative implementation of the tasks set before the educational system is becoming the basis of the effective functioning of organizations and an important requirement for future teachers.

The targets of the "Digital Uzbekistan" strategy envisage the training of at least 20,000 personnel specializing in information technologies by 2030. Also, in order to improve digital skills in all strata of the population, the following activities:

- popularization of information technologies among young people, as well as development of skills in using digital technologies among all strata of the population;

- introduction and development of remote, online and virtual learning technologies in the field of information technologies, development of online courses and platforms;

- to create conditions for teaching programming to students of general education schools in order to form a generation of highly qualified personnel in the field of digital technologies;

- organization of public-private partnership mechanisms involving large IT enterprises in the field of development of digital skills among the population;

- in order to eliminate the gap in the level of digital skills in regions and cities, by establishing specialized training centers in all regions of the republic, introducing the vertical management training model system at the district and city levels (IT-park branch-training center-school);

- organization of free online courses with the participation of highly qualified specialists in order to increase the share of the population with digital skills;

- implementation of the project "One million programmers" to train highly qualified specialists among the population;

- development of mechanisms for assessing the skills of using digital technologies and taking into account the following aspects;

- information literacy (ability to find information necessary for decision-making);

- computer literacy (ability to work with digital devices);

- media literacy (ability to critically study mass media);

- communicative literacy (ability to use modern digital means of communication);

- forming a positive attitude to technological innovations (new technologies);

- the formation and introduction of requirements for the basic competences of the digital economy for each level of education in the educational system, ensuring their continuity (taking into account the model of competences).

To improve digital skills in education:

- to create opportunities for mastering digital skills by providing students with digital technologies at the initial stage of education, developing analytical and critical thinking, providing knowledge and skills to young people in the conditions of large-scale digital transformation that will be necessary in the future;

- creation and implementation of a single distance education platform in order to implement it in all areas of education in the future;

- making permanent changes to the main educational programs of general education schools in order to increase the general level of students' use of digital technologies;

- introduction of highly effective international practices aimed at organizing studies in the field of technological professions and innovative activities into the educational system;

- increasing the number of graduates of higher educational institutions in the field of information and communication technologies, graduates of secondary special vocational education institutions with an average level of competence in the field of information technologies;

- improving the methods of teaching informatics in secondary schools by encouraging the participation of organizations in the field of information technologies in educational processes;

- organization of laboratories for the application and study of "Internet objects", robotics, artificial intelligence technologies in the relevant fields of higher education institutions, as well as the involvement of foreign enterprises in this field;

- digitalization of educational materials in education by developing and providing support for the unified state requirement for the use of paper-based materials digitization formats;

- development and promotion of scientific research works in the field of digital technologies, improvement of their organizational mechanisms;

- conducting national contests and events (hackathons, contests, Olympiads, etc.) promoting the creation of ideas and new technologies;

- development and determination of the direction of creation of new search systems, including solutions for search and identification of audio and video materials, use of semantics in search and retrieval of information, new technologies in the machine translation system, as well as development of new algorithms and technologies of machine learning;

- analysis of large data sets and knowledge gathering, including new methods and algorithms for collecting, storing and intelligent analysis of large volumes of data, new methods and applications for distributing large volumes of data, as well as new methods for predictive modeling of complex engineering solutions and conducting research and development works on software;

- creating new high-level computing and data storage systems, including new parallel computing algorithms, new supercomputer technologies and programs, new communication technologies and interaction protocols, to increase fault tolerance and reduce exchange time between system elements;

- conducting research in the field of creating new programs for reducing exchange time between system elements, highly efficient and reliable data storage systems;

- development of robotic complexes and algorithms of human interaction, improvement of the infrastructure of data transmission networks, installed sensors and sensor networks;

- carrying out scientific work on the creation of software for the implementation of various models of providing "cloud" services;

- implementation of the national staff qualification mechanism in the direction of digitalization in cooperation with the centers of large international enterprises;

- to further improve the electronic educational resources of the school, secondary and higher education system, as well as to ensure the use of business and global educational resources;

- introduction of innovative educational programs based on digital transformation and new technologies into the educational system of schools and preschools;

- using social networks, such activities as regular educational companies on the topics of how technology helps to solve vital issues, training, job search and entrepreneurship have been established and are developing steadily.

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ONE DRIVE BULUT TEXNOLOGIYASI

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Nizomiy nomidagi TDPU

Axborot texnologiyalari kafedrası v/b dosenti

Jo‘rayeva Dilnura Murodjon qizi

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Axborot tizimlari va texnologiyalari 1-bosqich talabasi

OneDrive bulut texnologiyasi OneDrive ma'lumotlar uzatish markazlarida ma'lumotlarni uzatish va saqlash vaqtida ishingizni rivojlangan shifrlash bilan xavfsiz ishlashingizga imkon beradi. OneDrive-da, foydalanuvchilarning sizning ma'lumotlaringiz qaerda joylashtirilganini tanlashga imkon beradigan hamda ma'lumotlarga kim kirganligi yoki o'zgartirilganligi to'g'risida batafsil hisobotlarni taqdim etishga imkon beruvchi eng qattiq me'yorlarga mos kelishini ta'minlaydi.

Microsoft Office 365-da shaxsiy va birgalikdagi fayllar bilan bog'laydi. OneDrivening veb-saytini, mobil yoki ish stoli versiyasini o'rnatish orqali barcha shaxsiy fayllaringizga va siz bilan birga fayllarga kirishingiz mumkin. boshqa guruhlar yoki guruhlar, jumladan, Microsoft guruhlari va SharePoint-dan olingan