INTEGRATION OF PEDAGOGICAL AND INFORMATION TECHNOLOGIES IN THE EDUCATIONAL PROCESS

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Annotation: The article is concerned with the study of the peculiarities of the Internet as an information and educational developing environment, studying the problems of using information technologies in the educational process. The purpose of this article is to identify the most effective ways of using Internet technologies in the process of professional training of specialists; psychological and pedagogical aspects of digital resources using in the learning process at university; the best option of integration of pedagogical technologies with the advanced digital technologies for enriching the personal educational sphere of each teacher and student.

Keywords: Internet resources, Web 2.0 technologies, integration of information and pedagogical technologies, intellectual competence.

Аннотация: Статья посвящена исследованию особенностей Интернета как информационнообразовательной развивающей среды, проблем использования информационных технологий в образовательном процессе. Цель данной статьи – выявить наиболее эффективные способы применения Интернет-технологий в процессе профессиональной подготовки специалистов; психолого-педагогические аспекты использования цифровых ресурсов в процессе обучения вузовским учебным дисциплинам; оптимальные формы интеграции педагогических технологий с новейшими цифровыми технологиями для обогащения персональной образовательной сферы каждого преподавателя и студента.

Ключевые слова: Интернет-ресурсы, технологии Веб 2.0, интеграция информационных и педагогических технологий, интеллектуальная компетентность.

Annotatsiya: Maqola axborot-ta'lim muhiti sifatida Internetning o'ziga xos xususiyatlarini o'rganish, o'quv jarayonida axborot texnologiyalaridan foydalanish muammolarini o'rganish bilan bog'liq. Ushbu maqolaning maqsadi - mutaxassislarni kasbiy tayyorlash jarayonida Internet texnologiyalaridan foydalanishning eng samarali usullarini aniqlash; universitetda o'quv jarayonida raqamli resurslardan foydalanishning psixologik va pedagogik jihatlari; har bir o'qituvchi va talabaning shaxsiy ta'lim sohasini boyitish uchun pedagogik texnologiyalarni ilg'or raqamli texnologiyalar bilan integratsiyalashning eng yaxshi varianti.

Kalit so'zlar: Internet resurslari, Web 2.0 texnologiyalari, axborot va pedagogik texnologiyalar integratsiyasi, intellektual kompetentsiya.

Integration of information technologies in educational process is a necessary condition modernization of the system of higher vocational education. During recent years there has been a rapid development of Internet technologies, which led to the need to develop and implement new ways to use the Internet in educational process, the purpose of which is not only to increase the efficiency of placement and constant exchange information resources. With spread of Internet technologies

vocational education takes forms of continuous, individually oriented, flexible and dynamic process.

The following uses are known Internet technologies in education. The first one is mixed form (blended learning), which involves the integration of digital and

innovative educational technologies in traditional learning process to improve quality of teaching in higher education disciplines and stimulation of development information competencies of students. The second form is distance learning, which is based on Internet technologies, allowing to organize the educational process without direct participation of the teacher, stimulating independent learning student activities, skills development self-organization and self-education. Third form is represented by new educational concepts - the concept of open educational resources and massive open online courses aimed at forming individual learning path, integration of forms and methods of formal, non-formal and informal education [1].

Open Educational Resources increase the accessibility of education, ensure its continuity, simplify access to e-learning content and improve its quality. However, It should be noted that since most Internet resources are not adapted to the system education, working with them requires special training. Besides, information posted on numerous Internet resources, characterized by high degree of uncertainty, redundancy. Much of the information on the Internet constantly duplicated and replicated, which inevitably leads to an increase in its overall volume. It should be noted that against the background enormous growth in the amount of information harder to find the right and useful for user. Information and reference Internet function is carried out in insufficiently structured and even less controlled in terms of quality resources, space [1]. All this requires a certain level of digital literacy, information competence, a culture of learning, but also the creation of conditions for formation of professional, information and intellectual students' competencies. Increased interest in use of the Internet in education driven by open access to information, organization of network interaction of subjects of educational activities, implementation of productive joint educational activity through intellectual activity, adequate orienting behavior of students.

One of the responses to the above problems is the appearance of some students educational, informational, and communication barriers, and even emotional rejection of working on the Internet. In some cases, students are unable to cope with the search and follow processing of information posted on the network. They experience serious difficulties in finding the right material, and face challenges when necessary structure and organize the information received. Moreover, students are often impact of negative information. More and more problems are an expanding network of commercial organizations, providing various educational services [2;].

AT works of E.D. Patarakin and D.B. Yarmakhova the following possibilities are highlighted use of Web 2.0 technologies. In education:

- Web 2.0. technology opens up big opportunities for activities that are easy includes users who do not have special knowledge in the field information technologies;

- in the network access is a large the number of open materials that can be used for educational purposes;

- Web 2.0. technology makes the process easier creating materials and publishing them on the web, when each user not only receives access to digital collections of texts, photographs, drawings, music files, but and can take part in the formation own network content;

- Web 2.0. technology allows organize the student's personal space [3].

In the educational process, it is not important information technology itself How does its use serve effective achievement of educational goals. Possibilities of Web 2.0 technologies contribute to the creation of new versions use of Internet resources in education and corresponding models of educational processes based on active interaction between teachers and students.

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