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## **ISPRING SUITE КАК НОВЫЙ ИНСТРУМЕНТ ЭЛЕКТРОННОГО ОБУЧЕНИЯ**

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## **ISPRING SUITE AS A NEW TOOL OF E-LEARNING**

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***Аннотация*** В данной статье будет рассмотрен инструмент iSpring Suite для создания электронного контента в пакете Microsoft Office. Вводная часть статьи показывает актуальность перехода к новым электронным ресурсам при обучении. Основная часть содержит обзор функционала инструментального средства iSpring Suite 8. Заключительная часть содержит выводы об эффективности применения данной программы в случае, когда требуется создать большое количество курсов без привлечения профессиональных разработчиков.

***Abstract*** In this article it is described the new tool iSpring Suite for fast and efficient development of elearning courses including tests, dialog training, screen-casts and interactivities in Microsoft Office. The introductory part of the article shows the urgency of the transition to the new electronic resources in teaching. The main part provides an overview of the functional iSpring Suite tool 8. The final part contains conclusions about the effectiveness of this program when it is necessary to create a large number of courses without the involvement of professional developers.

***Ключевые слова:*** электронное обучение; iSpring; электронное учебное пособие; мультимедийные файлы.

***Keywords:*** online education; iSpring; electronic textbook; multimedia files.

E-learning resources are applied in educational sphere. It is shown in sections 18.1, 18.9 law of education in Russian Federation [7] and acknowledged by

the Federal Law number 273 [4]. This topic has been described in the works of following researchers: Bashmakov A.I. [1], Solovov A.V [8], Karabinskaya O.A., Izatulin V.G., Kolesnikova O.V [6], Stahl S.M., Davis R.L. [9] and others.

E-learning is electronic learning and it means the use of a computer to deliver part, or all of a course whether it's in a school, part of the mandatory business training or a full distance learning course. It greatly differs from original text analogues. Supply of teaching materials with the inclusion of multimedia components: graphics, animation, video, sound, modeling the dynamics of the real situations involves learners in an active learning process and makes the process of knowing the deep and comprehensive.

Nowadays no one doubts the fact that online e-courses give an opportunity to broaden and develop educational process, adding various functions which attract students. Feedback available with a learner directly in the process of "reading" the textbook. Using various elements management, computer textbook may literally "follow" the study process learner teaching material, creating on based tooltips, sound effects and speech slander corresponding animation clips, and video clips immersive "virtual teacher". In addition, a complete electronic textbook accompanied by a system of control and testing of the acquired knowledge, the organization of which its interactive components are also used.

Application of electronic textbooks in the educational process is currently highly important but there are a number of challenges. Analyzed by the developers electronic educational books on various subjects, recommended for learners, we came to the conclusion that some of them impractical to use systematically in the learning process. There are several reasons: large volume of some textbooks; inappropriate content tutorial work program specific high school (or mismatch distribution information on individual sections), the lack of examples of problem solving; economic factors: not any educational institution is able to provide all learners with textbooks costly.

According to the concept of information education of the Republic of Uzbekistan [3], exchanging experience that has relation to electronic textbooks,

studying the experience of the leading foreign scientists and the CIS countries, including domestic literature, we tried to make an attempt to identify the main requirements of ET: setting goals and objectives, the selection and structuring of the material, determination of the structural elements, design, implementation of the textbook, its approbation and correction.

It should be noted that everyone who is interested in creating EUP person must comply with the above requirements. Creation of electronic publications is of interest to teachers of different disciplines, including the teachers of informatics. However, for many of them to create their own e-learning benefits (ET) [2] on teaching disciplines causes considerable difficulties because of incompetence in the field of self-creation of electronic teaching aids software. The proposed program for author's creation of electronic textbooks can interest any teacher, the set up of electronic educational publications, as well as people incompetent in this field. The authors propose the creation of ET systems based on the use of general purpose tools - Microsoft Office package (for example, the program Microsoft PowerPoint) and a program for converting Power Point presentations into Flash format - iSpring Suite.

Overview of the program iSpring Suite 8 [5]. The software iSpring Suite 8 - a set of specialized modules combined single interface. It includes iSpring Quiz Maker (test module and create polls); iSpring Visuals (module creating interactive); iSpring Cam (screen capture module); iSpring Talk Master (creating a dialog module simulators); iSpring Narration Editor (writer and editing audio and video). Below it is considered their application in the creation of multimedia and interactive objects, embedded in slides Power Point-presentation. The new version of iSpring Suite 8 now has a "Record screen" due to which the developer does not need to use additional software. This feature allows a user to capture video of the computer screen, record voice guidance, highlight color mouse. And a user can immediately view, edit, save in .mp4 format the recorded video, as well as paste it into a presentation or upload to Youtube.

By using "Entries screen," a teacher has been developed showcasing the work office programs in the course "Informatics", automated programs design and drafting in the course "Computer Graphics" and recorded webcasts of lectures. Edit audio / video feed is used for recording audio, video, importing synchronization animations as well as their editing. Built-in editor lets a user to change the duration of the show slides, transition effects, trim the beginning and end of tracks, edit the volume, to remove noise. The quality of processing files is not inferior to the quality of professional editors.

Thus, iSpring Suite 8 is a powerful tool to create multimedia, interactive content designed for not only personal computers, but also mobile devices. This program does not require a lot of time for teachers to master. It has a simple, convenient interface that complies with international standards. iSpring Suite 8 is a worthy competitor to similar programs as Articulate Storyline, Adobe Presenter, and, in our opinion, surpasses them in terms of "price-quality".

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**ПЕРСПЕКТИВЫ ПРИМЕНЕНИЯ РЕЧЕВЫХ ТЕХНОЛОГИЙ YANDEX  
SPEECHKIT В ОБРАЗОВАТЕЛЬНОМ ПРОЦЕССЕ ВУЗА**

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