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## USING THE ISPRING SUITE SOFTWARE TO EVALUATE FUTURE TEACHERS' PROFESSIONAL COMPETENCIES

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choice of goals before evaluating performance. A new rationality also generates a new science, the distinctive feature of which should be considered “humanized methodology”, which legalizes the inclusion of value consciousness in all elements of scientific activity and scientific knowledge.

The formulation of the problem of science and humanism must be sought in the history and culture of the ancient world. During this period, the development of scientific knowledge and humanism were subordinated to the idea of Unity, viewed through the prism of the Law of Logos. The philosophers of antiquity explained scientific knowledge and moral and humanistic norms as something integral, unified. Humanism appeared as an important principle of seeing the world, as the normative factor of human existence.

Each scientific community in the period of its activity forms humanistic principles, certain moral standards, which are guided by scientists of this era. The thinkers of Central Asia believed that science, scientific knowledge - these are the factors that contribute to the development of the best moral qualities of the scientist. The conceptual expression of the idea of the unity of scientific knowledge and human ideals, its high moral and humanistic qualities is found in Farabi, Beruni, Ibn Sina, A.Navoi, and acts as a clearly expressed ethical and gnoseological phenomenon. The value nature of knowledge is determined, first of all, by the place and role in the moral perfection of the individual. A.Navoi builds his concept of knowledge and morality on the basis of Sufism, which leads to the moral purification of a person, leaves a person alone with his conscience, and makes him improve himself.

### **Analysis and results**

The humanistic nature of science is realized in certain socio-economic and cultural conditions. Communication with society is carried out through functions. Science performs a number of social and humanistic functions in the civilized world: it provides scientific, technical and social progress, creates an information society, accelerates the development of a free economy, develops the modern market, creates

an intellectual atmosphere in society, forms the spiritual world of the individual. The self-consciousness of science is characterized by a reorientation towards humanism, since science, of course, must serve society, carry out a civilizing mission towards all of humanity.

The current situation in the information society requires as much attention as possible to pay to the ethical problems of science, which connect science and scientists with the life of all mankind, demanding from them a great ethical responsibility for life. Ethical responsibility includes the ethics of freedom and the ethics of justice. The ethics of responsibility is reduced to responsibility for the application of knowledge in the interests of society, for the consequences of scientific and technological progress for man and human civilization. An ethically significant image of science is already being implemented in some scientific programs, in the study of global problems of our time, ethology, and ecology.

### **Conclusion and Recommendations**

In conclusion, it can be argued that, it is necessary to change the goals of science, instead of focusing on mastering the object of research, put forward new criteria and goals:

1. Scientific knowledge should be understood as a communicative practice that is directed at another person. This leads to a different understanding of both society and scientific rationality.

2. Formulate new ecological and moral imperatives before humanity, which will give a new philosophical and ethical tint to the whole of human life and set fundamentally new ideals - the goals of its activity.

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## USING THE ISPRING SUITE SOFTWARE TO EVALUATE FUTURE TEACHERS' PROFESSIONAL COMPETENCIES

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**Аннотация:** Педагогик инновация таълим мазмунини бойтади ва ўқитиш шакл, усул ва воситаларини янгилаш вазифасини бажаради. Таълим жараёнига инновацияларнинг кириб келиши компьютер технологиясининг ривожланиши билан узвий боғлиқ бўлиб, ахборот коммуникацион технологиялари воситалари ёрдамида таълим жараёнида педагогик дастурий воситалардан фойдаланиш, шу жумладан iSpring Suite дастури имкониятлари бўлажак ўқитувчиларни касбий компетенцияларини баҳолашнинг энг содда ва сифатли усули ҳисобланади.

**Калит сўзлар:** Дастурий воситалар, ўргатувчи дастурлар, тест дастурлари, виртуал борлиқ тизимлари, iSpring Suite пакети, баҳолаш тести.

**Аннотация:** Педагогические инновации обогащают содержание образования и служат средством обновления форм, методов и инструментов. Внедрение инноваций в учебный процесс тесно связано с развитием компьютерных технологий, и использование образовательного программного обеспечения, в том числе программного обеспечения iSpring Suite, является самым простым и лучшим способом оценки профессиональных компетенций будущих учителей.

**Ключевые слова:** программные средства, учебные приложения, тестовые программы, системы виртуальных активов, пакет iSpring Suite, оценочный тест.

**Abstract:** Pedagogical innovation enriches the content of education and serves as a means of updating forms, methods, and tools. The introduction of innovation into the educational process is closely linked to the development of

computer technology and the use of educational software, including iSpring Suite, is the simplest and best way to evaluate professional competencies of future teachers using ICT tools.

**Keywords:** Educational software, instructional programs, test programs, exercises, virtual reality systems, iSpring Suite packages.

### Introduction

Nowadays, the use of modern teaching methods in the learning process leads to higher efficiency in teaching. It is desirable to choose the teaching method based on the didactic function of each lesson. The use of educational innovation in the learning process is one of the easiest ways to teach today's information society [1].

Education innovation is a form, method, and technology that can be used to solve the existing problem of education or learning in a new way, with a more efficient outcome. Education innovations are also called innovative learning. The concept of innovative education was first used in the Roman club in 1979. The goal is to get the best possible outcome of the resources and power spent on innovation in education or training. Innovations differ from any innovation that must have a variable mechanism that allows for control and control. Pedagogical innovation refreshes the content of education and serves as a means of updating forms, methods, and tools [5].

Pedagogical software is a didactic tool for partial or complete automation of educational process using computer technologies. They are one of the promising forms of increasing the effectiveness of the educational process, and are used as a training tool for cutting-edge technologies [4].

Pedagogical software can be divided into:

1. Curricula - oriented towards the acquisition of new knowledge, based on the level of knowledge and interest of learners;
2. Testing programs - are used for the purpose of verification or assessment of knowledge, skills, abilities and competences acquired;

3. Exercises - serve to replicate and reinforce learning materials that were first learned;

4. Virtual learning environments (virtual reality systems) with a participant.

There are a number of positive factors that confirm the superiority of their traditional tools for the implementation of the technology of creating educational software. These factors are divided into didactic, psychological, economic and physiological groups [3].

### **Literature review**

Didactic requirements for pedagogical software include: scientific, clarity, consistency and systematics (pedagogy, psychology, informatics, maintaining the basic principles of ergonomics, building the content of educational activities taking into account fundamental foundations of modern science), continuity and integrity (logical continuity and completeness), consistency, problem solving, vision, activity (availability of learning independence and activity), training the outcomes, the strong development of interactive communication, education, training, development, and operation integrity [7].

Psychological requirements (verbal-logical, sensory-perceptive), thinking (conceptual-theoretical, visual-practical), attention (steadiness, migration), motivation (high level of visibility, timely feedback, (taking into account the knowledge, skills, qualifications and competences of the student, the content of the subject and the content of the curriculum) ability to match the characteristics of the individual, and the development of educational materials, plus feel excited, nervous, mental workload protection of interactions).

Technical requirements include modern universal computers, external devices, and tested resources.

Network requirements include "client-server" architecture, Internet navigators, network operating systems, telecommunications, management tools (individual and collective tutoring, external feedback).

Aesthetic requirements consistency and representation (elements, location, size, color), functional function of decorations and ergonomic requirements.

Special needs include interactions, goal orientation, independence and flexibility, auditing, visibility, access control, intellectual development, differentiation, creativity, openness, functionality, reliability.

Ergonomic requirements for friendliness, user adaptation, display formats.

The pedagogical software, which is created in science, must meet the following methodological requirements:

- Building on the basis of interconnected, imaginative and moving components of the teaching material;

- Provide training material in the form of a high organizational structure.

Consideration of logical interrelation of interdisciplinary relationship;

- Creating opportunities for the trainee to gradually master the educational material on the basis of various controls.

The iSpring Suite program, which has a high rating in pedagogical software. PPT, PPTX, PPS, PPSX Flash files (SWF) and HTML 5 is a copyrighted program that allows you to convert to the format.

### **Research Methodology**

The introduction of innovation in educational process is related to the development of computer technology and includes the system of educational software development in educational process using ICT tools. One of the high ranking programs among the educational software tools that enable multimedia e-learning courses is iSpring. The iSpring software provides not only flash presentations, but also interactive content that can be used in the educational process, in particular with the help of various types of queries and electronic tests. In 2005, iSpring released the Flash iSpring Pro software product. It was a simple converter of Power Point Flash, free and commercial versions. In 2006-2007, Flash iSpring was named as iSpring. In 2009, when the company was fully upgraded, the iSpring presenter presented a completely up-to-date product with electronic teaching



equipment. This product is recognized as a product of high quality courses in the world market. iSpring Free is a copyrighted program that allows you to convert ppt, pptx, pps, ppsx files into Flash (SWF) and HTML 5 formats. Users of the program can place Flash videos and video resources on PowerPoint presentation slides. Adding audio and video files to the e-course, synchronizing with presentation slides, allows you to select, edit and print TinCan various players, and export them to mp4 video formats.

### **Analysis and results**

Alternatively, you can create 3D books, time scales and glossaries using iSpring Visuals. It is possible to integrate courses created with the iSpring software with LMS. Advanced iSpring Suite 7 package includes the following features: - Training courses and Flash presentations in PowerPoint (iSpring Pro); - Development of interactive tests, questionnaires and questionnaires (iSpring QuizMaker); - Creating interactive elements for increasing the illusory capacity of electronic courses (iSpring Kinetics). iSpring Free is absolutely free. Apart from the iSpring Free program, iSpring Suite is also available, which allows you to create high-quality e-learning content. iSpring Suite combines three components that incorporate more than one set of tools. PowerPoint presentations are super-supported e-courses using iSpring QuizMaker, iSpring Pro, iSpring Kinetics, iSpring Suite software. iSpring Suite (iSpring QuizMaker, iSpring Visuals, iSpring DialogTrainer), electronic lectures, video lectures, iSpring QuizMaker, electronic control tests, iSpring DialogTrainer, e-courses, and e-courses online. This enhances the user's capabilities and enables simultaneous browsing of slides, video clips. iSpring Pro provides Power Point presentations in the form of mobile applications and allows you to place it on the internet in the form of a mobile presentation. It also supports Power Point animations, transition effects, and other functionality, Web or LMS systems, and SCORM standards [6, 8].

The iSpring Suite suite includes: