

«SMART» EDUCATION SYSTEM FOR DIGITAL SOCIETY

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This article considers the formation and application of «smart» system of education – «smart» education.

Key words: *smart education, digital society, smart technologies, educational technologies, educational resources*

**СИСТЕМА «УМНОГО» ОБРАЗОВАНИЯ
ДЛЯ ЦИФРОВОГО ОБЩЕСТВА**

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В данной статье рассматриваются вопросы формирования и применения систем «умного» образования – «smart» education.

Ключевые слова: *смарт-образование, цифровое общество, смарт-технологии, образовательные технологии, образовательные ресурсы*

The continuous evolution of modern society, which is developing as «smart» society, leads to the emergence of «smart» technologies. As a result, we have «smart» education, which will not be the most technological and useful one, but will meet the demands of the time, forming the student's specific skills and competencies.

Among the new tasks that the information society sets to the education system, we can highlight the following ones:

- Supplement of the traditional principle «to build knowledge, and skills» by the principle «to build competence»;
- knowledge orientation to practical application [1].

Thanks to the intensive development of information technologies, which are an integral part of the environment of modern society, «classical» e-learning is gradually replaced by «smart» education [4].

Focusing on the needs of modern digital society, information technologies are replaced by «smart» technologies that have a set of characteristics allowing to adapt to the individual consumer.

«Smart» technologies are becoming a priority, which are able to determine the next stage of development of the digital society.

«Smart» education is a unique system including an automated, controlled and accessible from anywhere educational process.

«Smart» education system widely uses promising high-tech educational technologies, new information and communication tools, as well as innovative pedagogical solutions and social technologies; it fully meets the needs of modern

digital society. The distinctive feature of the emerging system of «smart» education is its unique versatility for effective use in the generally accepted education system.

«Smart» education is the implementation of educational activities on the Internet with free access for students, providing feedback between teachers and students, knowledge exchange between them, automatization of administrative tasks [5].

«Smart» technologies play the main role in the implementation of «smart» education systems, thanks to which an interactive educational environment is formed, uniting the efforts of teachers, specialists and students to use active knowledge.

The system of «smart» education integrates the following technologies:

- open educational resources (OER);
- massive open online courses (MOOC);
- learning platforms (Learning Management System / LMS), e.g. Moodle;
- electronic textbooks (smart book / e-book);
- electronic library (e - library);
- open licenses (e.g. CC licenses);
- mobile learning;
- cloud education systems and Internet services (Web 3.0);
- digital video communications;
- global media;
- automated management systems of educational organizations (e.g. AMS of schools, «smart systems»);
- electronic portfolio and personal electronic classrooms and others.

The use of the latest «smart» technologies (webinars, blogs, Twitter, video and audio podcasts, in asynchronous and online modes) and the development of new software extends the traditional forms and methods of training, allowing to increase the number of participants and, what is important, save time.

The main conditions for the implementation of «smart» education are:

- transition from training duration to its effectiveness;
- availability of accurate metrics to determine competence before and after training;
- electronic portfolio with the results of metric measurements to analyze the learning style of the listener.

Also, an important condition is the periodic updating of educational content.

The concept of «smart» education is, first of all, a flexible system that assumes the presence of a large number of sources, the maximum variety of multimedia, the ability to adjust to the level and needs of the student.

In the conditions of constant growth and updating of knowledge, the continuous development of competencies throughout the career becomes the most relevant in the system of modern education.

The influence of human knowledge is not sufficient for the development of education any more. It is necessary to change the educational environment itself, not just to increase the volume of education of human resources, it is necessary to

qualitatively change the content of education, its methods, tools and environment essential for the transition to «smart» education [2, 3, 6].

«Smart» education allows:

- to plan training independently, build a career, get a profession which is in demand in the labor market;
- to use advanced education based on content of «smart» technologies;
- to receive knowledge throughout the life, not limited by educational institutions, included in the human way of life;
- to provide individually oriented educational services using modular global open educational resources, the potential of teachers, experts, social networks and means of information and communication technologies [7].

Thus, we can conclude that the system of «smart» education is not only existing, but also is rapidly developing and becoming the necessary component, without which there can't be a modern digital society.

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