



## Development of e-learning in higher education

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The development of the education system according to global trends of modern civilization and the emergence of a post-industrial intellectual society, globalization and internationalization of education, requires innovative methods of teaching and learning and usage of optimal ways for implementing the educational program.

It should be noted that the effective management of the learning process has a direct benefit to the performance of the learning process.

The didactic plan identifies the following critical issues of e-learning:

- The organization of full exchange of information between subjects of the educational process;
- The determination of the specifics of informational and communicational objective environment during e-learning;
- Providing the effective learning activities of the subjects of the learning process with the use of intellectual technologies of information and communication.

The implementation of mixed type of learning and the related elimination of the boundaries between traditional and distance learning involves a holistic approach to education through the integration of educational technologies and technologies of information and communication. The main problem of e-learning is the creation and effective use of informational and educational environment. To provide the sustainable development of e-learning in educational institutions there is need to explore the essence of e-learning and systematize the work on the e-learning implementation. This work is reflected in the concept of development and implementation of e-learning at the university. It defines a system of views, understanding the essence of e-learning, the implementation of the system and the process, a set of principles and the development trends and ways to achieve the objectives in the education system.

The purpose of the Concept is to improve the effectiveness of the studying and the observance of the academic requirements for the subjects of the educational process in order to achieve the planned learning outcomes.

The effectiveness of education depends on the individual learning style which characterizes the optimal mechanism for the perception of the educational material by a student. In this regard, the provision of effective educational activity means a self-organization of cognitive activity of students, organization of individual support trainings for each student with teachers, and the organization of joint training activities for students working on projects.

The concept includes the following principles of e-learning:

- Optimization of the educational experience of students (provision of student-oriented learning and support the learning process),
- Maximization of the efficiency and effectiveness of e-learning (delivery of funds and services of e-learning, e-learning communication, the administration and the management of e-learning, grading of learning student's achievements and the learning process effectiveness),
- Expansion of research activities (establishment of a national research center in the field of e-learning and innovative teaching practice).

The main directions of the development of e-learning:

- Creation of a legal base of e-learning;
- Development of the national infrastructure for e-learning in the form of a virtual controlled and intuitive cross-platform accessible learning environment that is integrated with a system of e-government;
- Strengthening the component of e-learning for students with physical limitations due to health;
- Development of science based education system in electronic format;
- Improving the quality of educational services, regardless of the location and type of educational institutions;
- Providing staff to e-learning industry as a new segment of services (training of teacher-technologists, tutors, experts in teaching design, designers of digital educational content, etc.)