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INFORMATION COMMUNICATION ENVIROMENTS OF PRACTICAL BLENDED EDUCATION IN HIGHER EDUCATION ESTABLISHMENT

Efficient solution of the problems, dealing with the introduction of information environment of blended education could be realized by means of development and application new structural and algorithmic methods. These methods and practical results could be applied and investigated in electronic environment of various system of education management, using system approaches to information environment formation, its assessment and simulation, study of the methods of constructivism and connectivism.

Problem statement. Problem, to be solved by the research, is the creation of efficient information environment of blended practical education, approbation of its usage with predetermined groups of higher education students, assessment of its efficiency and formation recommendations for further large-scale implementation in higher education establishments. Experimental project will synergetically take into consideration three directions: hardware-engineering formation of information education environment with the elements of artificial intelligence, institutional-organization approaches to introduction of blended education, pedagogical-motivation methods of education activation by means of information technologies [1].

Object of research – communication processes of blended practical education, applying modern methods and information technologies.

Subject of research – practical methods of blended education and their implementation in higher education establishment, using efficient information environment by means of introduction of practical education navigator, training electronic technologies and social environment student-teacher-employer.

Main material presentation. To construct efficient information communication environment it is necessary to consider main principles of constructivism and connectivism, this environment will be constructed on such principles. The main principles of constructivism in the theory of information environment may be presented in such a way: Unity of an object and a subject in a functionally integral process of analysis, synthesis, and management is first of all an integral process of existing and development of an organization and its information environment (the concept of two mirrors) [2]. A principle of functional complementarity of interrelated systems (as interpretation of a famous principle of "dialectic controvercy") enables to realize double reflection, which means, on the one hand, monitoring of a present activity and, on the other hand, prognostication of the future activity [3]. Reduction of any higher level of general insight into a model of complicated system to any level concretizing its insight (within any aspect concretizing the model and for any functional state of this model): presentation of an information environment in the form of a set of sub-spaces, i.e. from the global network to a personal professional environment.

Modeling elements based on algorithms enable to optimize an information environment, using detection of duplicating operations, estimation of frequency of usage of instruments and relations .

Conclusions. Efficient environment of information communication of practical blended education must be formed in a single electronic educational space that has powerful navigator of electronic resources and such components as –open distance courses; social education –practical network, electronic training environment in accordance with the problems, put forward.

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