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Adaptive educational environment in the IT field of study reacting on changes in the labor market

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The article describes modern approaches of creating educational environments, describes main technologies for their creating and development and gives examples of projects in this area, both in Russia and abroad. Identification and formalization of the needs of participants in the educational process were done and a concept of an adaptive educational environment in the IT field of study reacting on changes in the labor market is proposed. Structural and functional models of the system were built. Basing on the principle of adaptability of an educational environment the authors developed methods and scenarios of dynamic change in the composition of educational courses and programs in response to changing external requirements and the requirements of participants in the educational process. According to the algorithm the popularity of technologies is determined by analysis of text in the big amount of vacancy announcements. Analytical service using this algorithm is proposed to be included in the structure of the adaptive educational environment of the university or faculty.

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