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UDC 330

AGILE APPROACH ADAPTATION
IN THE EDUCATIONAL PROCESS

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Knowledge management adds value to information through its filtering, synthesis and generalization, which leads to the discoving of hidden resources for business growth. Knowledge management systems as a set of processes and tools for the creation, dissemination, processing and use of knowledge are the subject of research in several scientific fields, the results of which are widely used in various fields of society, including education. The subject of knowledge management is the sum of formalized knowledge in databases and information media, as well as the knowledge of learners (pupils, students, employees of the company).

In the field of education knowledge management refers to knowledge management in the processes of students' trainning and knowledge management as components in the processes of management of educational institution. The main task of knowledge management is to increase efficiency, use knowledge to improve productivity by increasing performance or reducing costs.

The purpose of training system management is to provide optimal efficiency by reducing the information load of the user (learner) at the expense of the most rational organization of his information interaction with the teaching and learning system. Individual user characteristics vary widely, so this information interaction should be adaptive. Adaptation implies a change in the process of educational activity of the parameters of the transmitted information depending on the individual characteristics and current psychophysiological state of a user.

Technically, adaptation in the process of interaction of a user and educational system is realized by means of information display.

When training is recognized as a process of management, training method is defined as a means of cognitive activity management, and the characteristic feature of methods of training are considered a certain means of fixation and transmission of educational information [1].

In addition to adapting training information systems to the needs of a user, other aspects of using adaptive methodologies in the process of training should also be studied, including in particular the exercising of Agile principles in the training process, a methodology that was originally used to develop software products. One of the task of Agile methodology is to achieve a rational organization of information interaction between the user (learner) and the training system via a human-centered approach. Agile methodology enhances the level of effective consistency of training material presentation. Agile offers proven principles that define the culture and behavior in an organization that is interested in achieving high results, using simple techniques that help solve significant problems in an unpredictable environment.

The Agile family includes various methodologies, combined by 4 key ideas (Agile manifesto) and 12 principles [2]. These provisions can be applied to both the project activity and the training process. In this case, Agile will be based on the process of training, human beings and changes. It is proposed to identify three main areas of Agile application in the knowledge management system: Agile in the creation of

educational products; Agile-learning, i.e. the formation of an individual way of training and Agile as a pedagogical technology. The use of a flexible approach in the teaching and learning process can be carried out as an adaptation of educational influences by selecting the structure that is optimal for an individual learner and the most effective consistency of educational material presentation, supporting the motivation of learning.

Therefore, the transition to the use of Agile in the teaching and learning process is generated by the complexity of adapting the traditional educational system to the modern requirements of the knowledge management system. Guided by a client-centered approach, namely the Agile methodology, the adaptation of a learner in the process of knowledge use will be efficiently carried out and a learner will be provided by the optimal presentation of the training material.

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AKTUELLE TRENDS IM BERUFSFELD DER HOCHSCHULBILDUNG

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Heutzutage sind die Arbeitsmärkte von zunehmender Dynamik geprägt. Die Anforderungen an potenzielle Mitarbeiter ändern und erhöhen sich nämlich. Das ausgewahlte Thema ist sehr aktuell für den Hochschul- und Wissenschaftsbereich. Die gegenwärtige Gesellschaft ist von neuen Merkmalen geprägt. Produktionsfaktoren wie Wissen und Informationen sind von besonderer Bedeutung geworden. Daraus folgt, dass es von bestimmender Rolle für die künftige Karriere ist, welche