Distributed Computerized Educational Systems Investigations

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The learning process can be interpreted as the management of knowledge mastering. This process is actualized in a closed system and (as any closed management system) is characterized by the aim of management (Fig. 1).
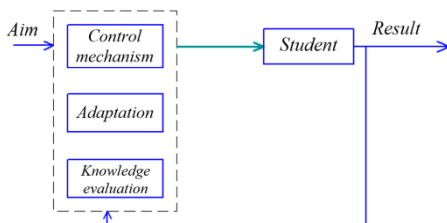

Figure 1 – Generalized scheme of the learning process

Recently investigations and development of computerized educational systems have been conducting all over the world. Present study is dedicated to investigating the distributed computerized educational systems, which can be used in educational establishments for students' knowledge quality ratings. Problem of the distributed computerized educational systems (DCES) has been considered in the study. Due to computer networks and telecommunication technologies present development, the computerized educational systems (CES) have been permitted to reach new standards enabling people to advance in skills, to study on distance and to study self-working. Practical value of the obtained investigation results lies in founding a subsystem of knowledge control in DCES: data exchange between the DCES core and additional software has been investigated; knowledgebase for implementing various knowledge control management procedures has been created. Thus DCES – is a functioning software system in the computer network, designed for building and exploiting educational systems, and enabling to improve the training level within computerized educational systems.

1. В.П. Беспалько, *Педагогика и прогрессивные технологии обучения*. (Москва: Изд-во Ин-та профессионального образования: 1995).