

Problems and Prospects of Remote Teacher Training in Uniform E-Learning Environment

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ABSTRACT

There is a transition not only from using ICT locally to using ICT within local or global networks, but also from using ICT stationary resources to implementation of small resources of information packed into various handheld devices. In this paper we discuss didactic problems and prospects observed in an educational process of teacher training by using a uniform E-learning environment along with small resources of information provided by graphic calculators. We identified three main didactic problems generated by this approach. These were: a) An absence in networks some dynamic resources for realization of educational settlement projects including interconnected activity: design activity is reduced to creation of presentations and similar documents, that there are no computing and logic projects that is inadmissible; b) Monitoring absence of educational student's activity and intermediate control on each of mathematics sections; c) an absence of possibility on implementation of computing and logic projects and intermediate testing on each of mathematics sections. Among various prospects provided by this approach three are particularly important findings. These were: a) The dynamic system of students testing within of project activity in mathematics the with completely automated processes of values generating of initial data, correctness both obviously erroneous results and checks of answers on tests; b) The possibility of demos generating of corresponding tests, implementation of high-grade monitoring of students educational activity and taking into account results of settlement projects performance and activity thanking completely automated mechanisms of data processing; c) The corresponding applied software based on using of Web-server Apache on the basis of programming language PHP and control systems by relational databases MySQL.

Keywords

Dynamic Internet site, remote educational process, graphic calculator, interactive environment, teacher training.

Observations

We have created original monitoring system of REP with new algorithm programming implementation.