

INFORMATION PARAMETERS OF GENERAL EDUCATIONAL INSTITUTIONS

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The introduction of new technologies of education based primarily on the use of modern intelligent educational technologies, requires solving the problem of transformation of general education schools - the transfer of each school in the state, when the application of the latest learning technologies will be technically possible.

To solve this problem it is necessary to design and implement an expert system, a software generator of projects of transferring each school from the current (actual) state to the destination state. The creation of such software generator of projects requires building of school information model, which relies on a set of parameters describing the school. To form the given set of parameters it is necessary to consider and evaluate the attributes that characterize general education schools in thenormative documents, in Government projects of the education development, and other sources and to select those that can be the basis for building the set of parameters of the information model (according to the terminology of the subject area: the term "dimension of the hypercube data that implements one of the attributes of parameters of the information model in regulatory documents meets "the criteria of evaluation of educational institutions").

The given study is bind to the implementation of the National project "Vidkrytyi svit (Open World)", which purpose is the creation of information and communication (4G) of educational network at the national level". The given project, according to the Decree of the President of Ukraine dated 08.09.2010, No. 895, is a National priority "New quality of life".

The article analyzes the estimation parameters of activity of educational institutions recommended by the Ministry of education of Ukraine, state education authorities, the National project " Vidkrytyi svit (Open World)", "the system of stars " by V. Spivakovsky and parameters of evaluation of school according to foreign sources.

On the basis of the made analysis the classification of sources of information acceptance about the parameters of evaluation of educational institutions is introduced. Each parameter is proposed to refer depending on its possibility of use in constructing an expert system to one of the subgroups (categories): fixed attributes F, formal attributes I or important V.

The information model of general education institution based on system states space. To implement the information model is proposed to use the data hypercube which measurements are based on quantitative and qualitative characteristics of general education schools. This data model is used to implement the expert system software generator of transforming projects of each school from the current (actual) state into the target one, which make possible the application of new teaching technologies, based primarily on the use of modern intelligent educational technologies.

The article are discussed in details and analyzed the attributes of an estimation of activity of general educational institutions. A set of parameters that will be used when building information model school for the purpose of its implementation in complex intellectual information technologies of generation of projects of transformation of the school is defined. A classification of the attributes of estimation of educational schools based on the suitability for use in constructing an appropriate expert system.

Keywords – attributes of schools evaluation, attributes categories, information model of school.