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## Improving the information system of university management

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### Abstract

© 2015, Canadian Center of Science and Education. All rights reserved. University management is currently supported by information system providing storage and data structuring of information required. Managing the development and improvement of the educational process quality requires creation of a monitoring system covering all of its objects and various measurement tools, which monitors the set of all features. The paper presents the components of pedagogical management, considers indicators of pedagogical processes and methods of evaluation, which define the basis for monitoring the educational processes at the University. Also the structure of a software module is shown, that works on the principle of the expert system and identifies problem characteristics of the educational activity. The results of the experimental work show the effectiveness of the presented software, that supports management decision-making of university departments' leadership and faculty.

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### Keywords

Diagnostics, Indicators of educational activities, Information system, Management decision-making support, Monitoring, University management