Supporting education in math sciences with a low-budget LMS SAKAI

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Informational-communicational technologies nowadays are big trend in modern lifestyle, without which working and living is unimaginable. They help saving money, time and other resources by using different forms of computerized services. In this presentation the accent will be put on the Learning management system SAKAI and its application in supporting education in math sciences. SAKAI as low-budget LMS is free and offers a lot of opportunities in the educational process. SAKAI provides comprehensive content for each course, like: forums, announcements, materials, exam results, event calendar, personalization posibilities etc. The plugins offered by SAKAI allow powerful presentation capabilities for mathematical courses (formulas, equations, graphs etc.), one of them being the WIRIS. The WIRIS plugin is the component needed present in a web application enabling the use of the WIRIS editor - a WYSIWYG JavaScript based equation editor that provides seamless integration with any application including on-line communication in support to instant formulae representation and exchange. A WIRIS plugin interacts with the platform by a whole set of plugins targeting different technologies (PHP, Java, ASP .NET, etc.) and different HTML editors (TinyMCE, CKEditor, etc.) or available platforms (Moodle, Canvas, SAKAI, Joomla, etc.). The presentation will be focused on the SAKAI implementation.