

CUSTOM DEVELOPMENT SOLUTIONS CASE STUDY

ALBERTA EDUCATION

Microsoft
GOLD CERTIFIED

Partner

CHALLENGE

Describe, catalogue and search learning objects delivering them online to students, teachers and parents.

SOLUTION

- Secure access to web-based digital media and other portal features
- Leading edge web interface

ACRODEX AT WORK

- Employ industry best-practice solution architecture and implementation, aligning with government/ministry standards and enterprise architecture principals.

Educational Resource Portal

The Learning Technologies Branch of the Alberta Ministry of Education provides leadership in advancing the use of technology in learning, and is responsible for the design and development of digital learning resources to support program delivery in Alberta's educational institutions. Faced with a growing number of digital resources, the Branch required a solution to describe, catalogue and search learning objects, and deliver them online to students, teachers and parents. The system would have to be highly available, scalable and

extensible.

Results

Acrodex developed the LearnAlberta website (www.learnalberta.ca), a centralized online portal enabling students, teachers and parents to find multimedia learning resources that are correlated to specific courses of program of study. The website supports resource metadata conforming to the IEEE Learning Object Metadata (LOM) standard, including native support for data in XML format.

With this solution, users can search for educational resources for a program of studies, and gain instant access online. These capabilities have resulted in a significant increase in educational resource distribution across the province, valuable usage metrics for decision makers, and streamlined updates to offered course material. Users have the ability to register with the web site to create a personalized workspace to store and organize lists of resources, share information via email, and publish their own annotated resource lists as web pages.

Deployment Environment

- Microsoft ASP.NET, AJAX
- SQL Server 2005
- MarkLogic XML Server
- Visual Studio 2008
- Windows Server 2008