

## Online Registration System

### Client Overview

The client serves students in seven campuses located in Northwest suburbs of Chicago. They offer a complete academic program with over 600 courses including services for students with special needs. The client is also committed to providing extra-curricular programs for not only students, but also residents of all ages to help them maximize their learning opportunities.

### Challenge

Previously, the registration process was predominantly done manually. Students' demographic data and payment status were entered into the SASI database system from information that was taken from student's paper forms. The data entry was done by the administrative staff at each school location. The staff manually entered not only the new student data but also modified, corrected, and updated existing data. Even a simple data update such as editing contact numbers or changing a mailing address was done through a manual process. The system allowed only extremely limited data communication access between the schools and parents.

### Creospan's Approach



By working with the district's solution partner, primarily with the use of Microsoft technology, Creospan focused on achieving the following:

- A web-based software solution that allowed the district's parents to have the ability see different types of information, including online forms and agreements
- Creating website accessibility via Safari, IE 6+, or Firefox browsers
- Creating bi-lingual, multi payment methods on the web
- Ensuring data security and system integrity
- Enabling the system to execute a real time transaction through secured web pages and navigations with an automated push into the SASI database.

### Technical Solution

The new online student registration system was created based on three-tier architecture from a Microsoft.Net platform including:

- Microsoft ASP.Net hosted on Microsoft Internet Information Services 6.0 for the presentation tier on Microsoft 200 X server.
- Microsoft Visual Studio.Net for web page development on multi functionality includes bi-lingual languages and an online payment transaction capability.
- Database compatibility along with updating the SASI system was done by using Microsoft SQL Server 2005
- VeriSign Secure Certificate (or similar) ensured data security during and after real time transactions are made online.

The new online registration system reduces processing time, with minimizing manual data entry into the legacy system. In addition to the process efficiency, the client is able to minimize or eliminate the overall paper forms at all school locations. Rather, these forms can be viewed online. Parents can now choose and complete the required forms and agreements conveniently in their home. Overall, by offering the web and personal data management access to the parents and students, the client experienced effective increased communication between the schools and parents.