



EXTENTIA

Information Technology

E-Learning Solution

Overview

Country or Region: US

Industry: Education, Online Learning, Computer-based training

Customer Profile

The client is a private, nonsectarian, coeducational research university in New York City.

The university is the largest private, nonprofit higher education institution in the United States, with an enrollment of more than 40,000.

Business Situation

The university had no existing software to implement e-learning. However, any new design would have to meet several requirements:

- Instant learning within the classroom
- Online registration
- Extended integration with IM services
- Availability of the course content
- Students progress tracking and reporting

Solution

The university chose Extentia to design and implement a web-based e-learning environment.

Benefits

- Learning communities to enable peer discussion
- Stimulated participative learning
- Educators stay in close contact with students
- Online chat sessions and live classes
- Extensive reports available

Extentia creates a technologically advanced web-based e-learning environment to improve communication between educators and students.

Summary

A US university in that trains and certifies individuals for bilingual medical interpretation wanted to develop an interactive, participative and technologically advanced e-learning environment.

Extentia was chosen to design and implement a complete web-based e-learning solution.

Situation

The main objectives of the solution included:

- Create learning communities with the help of technology
- Allow instant learning within the classroom, and beyond
- Extend Instant Messaging (IM) services to enhance classroom collaboration and learning
- Allow online registrations for any certification course
- Make course content available online in audio, video and text formats
- Divide the course into different modules (each with separate tests to be taken by students)
- Track the progress of students during the course and allow them to progress to the next level
- Conduct a final test on completion of all modules and issue certification to the student on successful completion



Technology

- Web-based front end written in ASP.NET
- Business logic coded in VB.NET
- SQL Server 2000
- Windows 2003 Server (IIS 6.0)
- Skype API integration for IM functionality
- Integration with 3rd party tools for audio recording functionality

Solution

Extentia conducted an initial phase to **understand and analyze** the business needs of the customer and the expectations from the online e-learning solution.

This phase also included analysis of different **technologies and tools** required to create an enhanced community-based learning environment incorporating visual learning, training aids and a step-by-step evaluation process.

The final design reflected the following workflows:

- Students communicate with their trainers via IM (Skype)
- University updates the course curriculum and creates new learning modules
- Trainers create new tests and evaluate student performance
- Students participate in audio and video sessions during the course

Benefits

The 'virtual community' model helped create a **participative learning environment**, allowing students to learn spontaneously using a familiar and fun medium, and encouraging trainers to go beyond teaching norms to **improve the learning experience**.

The e-learning solution enabled the following positive results:

- Created learning communities of trainees and trainers to enable peer discussion
- Stimulated participative learning
- Allowed educators to stay in close contact with their students around the clock, regardless of location
- Allowed students and trainers to participate in online chat sessions and live classes
- Generated extensive reports based on the performance of every test result to identify students' positive and negative points



EXTENTIA

Information Technology

Features

- Online Applicant Registration
- Administrator Panel
- Trainer Panel
- Language Coach Panel
- Trainee Panel
- Forums
- Integration with IM (Skype)
- Integrated audio / video Formats
- Provision to upload audio files
- Internal Email systems and real-time chat
- Announcements and notices
- Calendar management for trainers, trainee and coach
- Reports

User Type	Role	Status	Delete
Administrator	Administrator user to control application	●	🗑️
Trainer	Trainer	●	🗑️
Trainee	trainee	●	🗑️
Staff	staff user having rights to create user only and monitor trainer, trainee and language coach.	●	🗑️
Human Resource	Human Resource user is to have list of manpower	●	🗑️
Faculty	Faculty user for specific course module	●	🗑️
Language Coach	Language Coach is here for specific language.	●	🗑️

Administration Panel to manage modules / users / courses etc.

Admin Panel

- User Management
- Course & Language
 - Course
 - Language
 - Curriculum
- Test Management
- Resource Library Management
- Language Lab
- Staff Panel
- Forum Management
- Change Password

Edit Course

Course Title :

Description :

An online course in medical interpretation will be provided to train and certify individuals having bilingual aptitude.

This 48-hour multilingual course provides the skills needed to interpret different languages in health care settings. It is designed to prepare bilingual individuals who have not previously served as interpreters, as well as individuals who have performed interpreting without specific training. The course focuses on listening, analysis, and memorization skills; interpreting techniques, medical terminology and colloquial language acquisition; and ethical guidelines and decision-making. This course is designed for medical settings where interpreters provide proximal consecutive interpreting.

Duration : (Months)

Online HTML editor for content management

HOME COURSE DESCRIPTION CURRICULUM GOALS & OBJECTIVES REGISTER

Modules : 1 2 3 4 5 6 7 8 9 10

Home > Module 1 Module : Synchronous

Module 1

- ▶ Introduction to the course
- ▶ Student Survey: Culture and Language
- ▶ Written Pre-test
- ▶ Medical Terminology Pre-Test

Introduction to the course

© 2007 All Rights Reserved

Online modules in the curriculum



EXTENTIA

Information Technology

Orientation to Course

[Video Provides students with a brief orientation to this course including the use of the multi-lingual format, the requirements and expectations of the course and the goals/expected outcomes of the course.]

LEARNING

TEACHER ACTIVITY

Video integration

Trainer can add more trainees in this chat

Trainer can add the name of the topic

Trainer can directly speak to trainee by clicking on this button.

Trainer can directly speak to trainee by clicking on this button.

Trainer can add more trainees in this chat

Trainer can add more trainees in this chat

Skype integration