

Case Studies

Web Application

Online Learning Portal for Educational Institutes

Overview:

For past few decades we have got to know about new revolution, i.e. "Internet Revolution" that is taking place at every corner of the world. Words like internet, cyber-world, dot com, etc have become part of our daily conversation. There are hardly any departments untouched by the net boom. Today imparting education through online courses and tutorials has become quite common. Online Learning is now becoming ubiquitous at all levels of education and in all institutions of learning.

Business Need:

In this project our client wanted to develop an online learning solution for various leading and well-known educational institutes so that they can further provide online learning services.

Our Challenges:

Now in this case our major concern was to offer an online solution that can be scalable both in terms of being adaptable to larger number of participants. Along with this our task was to provide capability for the teachers to share any desired application, such as spreadsheets, and interact with students.

Moreover some of the complexities that were involved in this case studies were:

- To create a comprehensive online learning environment that meets the requirements of the Course Management System.
- To offer a solution that can provide easy-to-use features and functions for participating in the learning creation and delivery process.
- To create an environment where students can use the multi-media resources as part of a problem-solving pedagogical approach in a higher education setting.

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Our Approach:

In this case our client was not very clear with the design of the website, so the functionalities for this solution were developed independent of the design. In this project we implemented "Plug and Play" modules (built on Perl), to integrate the functionalities with the final design. This modular architecture further enabled us to adapt the changing requirements with minimum impact on the schedule or budget.

The application had three different users: Admin, Instructor and Students. Access profiles were very clearly defined in the solution. For example, the instructor can give quizzes, view answers and modify the automated results but does not have the permission to view answers of quizzes not belonging to his courses.

Our Role:

Though out this project, we worked as outsourced product development partner to reduce their cost of development while maintaining aggressive release schedule.

Key Features:

The key advantage of this project was that, we were finally able to develop online learning portal that can further offer the following advantages:

- One who wants to learn is not restricted by his geographical location or time limitation.
- Courses developed for the web may prove cheaper than hiring a qualified teacher each time the course is administered.

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About Us

HyTech Professionals is a global provider of software engineering services. We, at HyTech Professionals, provide our clients with end-to-end solutions and help them in successfully achieving their end objective: High Returns on Investment.

We provide cost effective and robust solutions by engaging the best combination of engineers, project managers, and business-process consultants from our world-wide resource pool.

Advantages

Our clients enjoy following benefits from our engagement

- › Low cost of ownership
- › Low time to market
- › Low ramp up and downsize time and cost
- › Low turn around time

Consistently converting Clients' Vision into Robust Solutions

dream

design

develop

deploy

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