



"We were in search of vendor to build an eLearning site for our new venture. We only had the concept for online coaching, classes and collaboration. The team of Netwin developers helped us to develop the idea into a working platform. LMS built by Netwin is fantastic piece of work. We really appreciate their dedication and involvement in building this solution."

CEO, eLearning Services Company, CA, USA

An eLearning services provider uses our Learning Management System(LMS) to manage their online classes, class contents and students

Learning Management System

The client is located CA, USA and wanted to build a LMS to manage all his online classes, student enrollments and class contents, student payments, coach payments etc. Our client had thought of building the LMS solution and had drafted his needs into a document. There were many things which were required to be linked to each other like student taking up a course and then external coach joining any class. Also in advanced mode the student was allowed to go in self learning method. It was required to keep track of his progress. When a coach takes a class, it was required to allow coach to keep track of individual student. The coach was allowed to create online web conference and student could join the class online. The student can also view the recorded videos of the class. Student should able to create his own notes. The system required was complex and also required lot of widgets to be integrated.

Challenge

Once the requirements were ready the real challenge was to convert this into a full featured product. A development team with experience of product development could only do this. One of the alternatives to the client was to setup such a team and develop the product. Also the need to manage the version control of the application so that single product is used by a variety of users. The cost of developing the solution in house was weighed in before arriving at the decision to award this to Netwin.

Executive Summary

With the fast changing world of Internet the eLearning has become very vital part of education system. The student can learn any subject they want to study at their own pace. Also there is no need of going to certain class room to learn any subject. It has helped lot of people who are working, can also learn distantly subjects they like. This has made the learning any subject very easy, the world has come closer.

Business Challenge

Our client was having the concept of building the LMS systems, it was necessary to study the existing learning management systems and then suggest the required sections. The discussion has added lot of new sections and the project become quite huge. It was very important to break down the various blocks so that the entire project can be build in modules. The modules need to be pluggable so that the future enhancement can be made easily.

The client needed to address the following key business challenges

- Need of building a structured solution to create a flexible platform which can accommodate various modules
- Managing students and their progress records

The client was looking for a software company who could understand the eLearning domain and also should have strong expertise in .Net development to move the products to latest technology.

Netwin Solution

Netwin Systems & Software (I) Pvt. Ltd. was selected a software partner to develop and implement this highly complex solution because of our past expertise in handling such projects.

We studied the entire system requirements then had detailed discussions with the client about the future extensions. Then we separated the modules which required R & D and widget integration. A separate team was assigned the R & D tasks. We streamlined the development cycle. The entire system was build into different modules and later integrated on the client's dedicated web server. Performance tuning was done by creating large data blocks. We implemented the drag and drop dashboard like iGoogle using web parts and Ajax in ASP.Net. For beta release a large group of coaches and students were invited to register and use the system and tuning was done.

Solution

Netwin Systems & Software (I) Pvt. Ltd. was selected to provide the LMS solution. We studied the client requirements in detail and then had teleconference and web conferences to understand the concept. We did the wire frame design and got the concept converted into design layouts. The challenge was incorporating the various widgets. We did R & D and build prototype modules which were later integrated into complete system. We used latest components in ASP.Net i.e. Web parts and Ajax to give a very flexible dash board and provided easy to use functionality. The entire solution was broken into modules and were developed in tandem.

Benefits Summary

- Rich Internet Application was build using latest components in ASP.Net
- Complete Student and class management was done online and no other manual work was required
- Student Payment were also received online

Business Benefits

The complete LMS was built as per the business requirements of the client. The solution was broken into modules to manage budget restrictions. The base architecture was designed in such a way that future modules can be easily integrated. We did lot of R & D to build the robust solution. We used some 3rd party plug-ins so that the project can be built in allocated budget.

The main benefits derived by the client were

- LMS system built as per business requirements
- Improved and enriched features with latest technology
- Source control and software release management
- Complete Class, Coaching, and Collaboration management solution

Technology/Tools Used

- ASP.Net, C#, Ajax, MS SQL
- IIS, Windows Server



About Netwin

Netwin Systems & Software (I) Pvt. Ltd. is specialized in innovative IT solutions and complex software

applications development. Netwin focuses on delivering customized solutions to its clients by converting business ideas into well defined solutions. Netwin combines research & development activity with practical application in programming, web development & integration, multimedia development, custom IT systems design, testing and consulting.

Founded in 1993, Netwin Group has made a lasting impression as a ubiquitous and high quality provider of technology services. Having accumulated extensive experience by effectively serving various clients in India, US, Europe and Australia in meeting their outsourcing needs, we are now partnering over 200+ clients globally. Our clientele ranges from Multinational Corporations to small & medium enterprises.

Putting forth an enduring vision for meaningful offshore software development, we have worked with

clients across a varied spectrum including key industries of Insurance, Finance, Banking, Hospitality, Travel services, Healthcare, Retail, Distribution and Manufacturing as well as Government and Public sector organizations.

Our range of offshore services includes software and web applications development and maintenance;

collaborative and CRM applications using Microsoft Dynamics, SharePoint and Azure architectures; dedicated resources hiring and consulting team using ODC model.

Netwin has full-fledged offshore software development centers at Pune and Nashik in India which have capacity of 200+ resources. We have a strong team of over 130 analysts, developers and testing engineers. In addition to this we are setting up a new development facility to accommodate more than 500 skilled engineers to cater to the increasing needs of our clients.

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