

Moodle: Online Learning Management System

PRIA (www.pria.org)

Technologies

PHP, Apache HTTP Client, Open LDAP, jQuery, MySql, JSON and XML

Overview

Client is conducting large number of courses during a year and in every course several students get enrolled. For each course there are multiple subjects and other activities which require collaboration between students, course instructors and teachers. Client wanted a solution which let them provide a content management enabled web based interface which let them collaborate effectively and efficiently in real time environment.

The objective of creating this solution was:

- Effective user and role management
- Document and content (audio, video, text) storage and sharing
- Assignment submission and grading system
- Discussion forum
- Instant messaging
- Online calendar
- Online news, announcements and quizzes
- Wiki

Solution provided

Saurabh proposed moodle for this portal development which is a robust and scalable open source course management system. The documents involved in the system were to be handled by PHP.

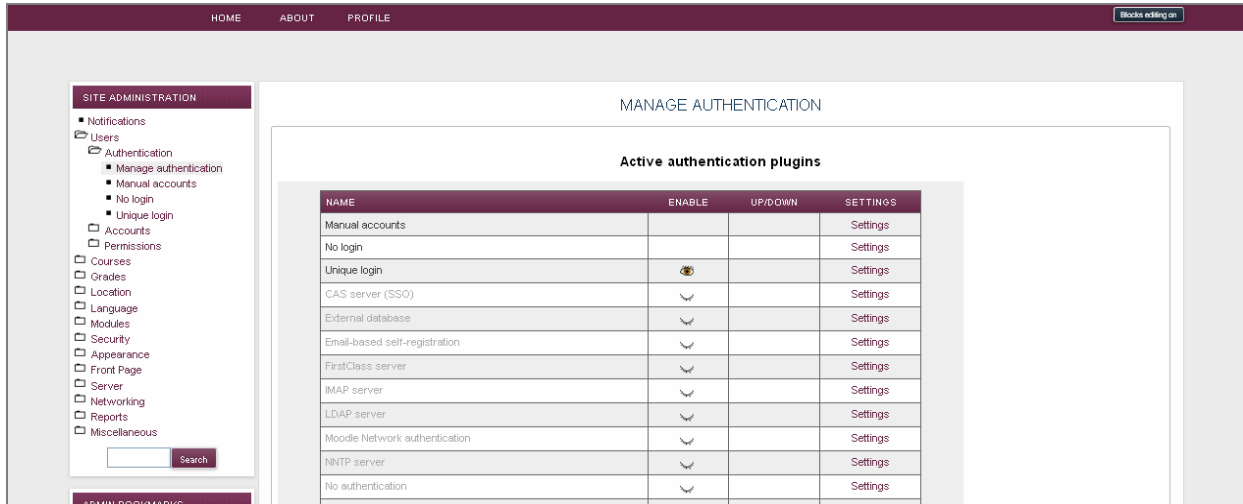
The challenging part was integration of PHPBB (open source platform for forum) and moodle. The other important challenge was the migration of the data and documents from existing custom built system to the moodle. Apart from these, managing the distribution of work efficiently among onsite team and offshore team and integration of various modules involved in project was handled quite effectively.

The deliverables were moved to production environment after stringent UAT on the completed feature/functionality. Application design needs were met by refactoring the application on on-demand basis. This helped him in achieving highly configurable, scalable and robust application architecture.

Benefits delivered

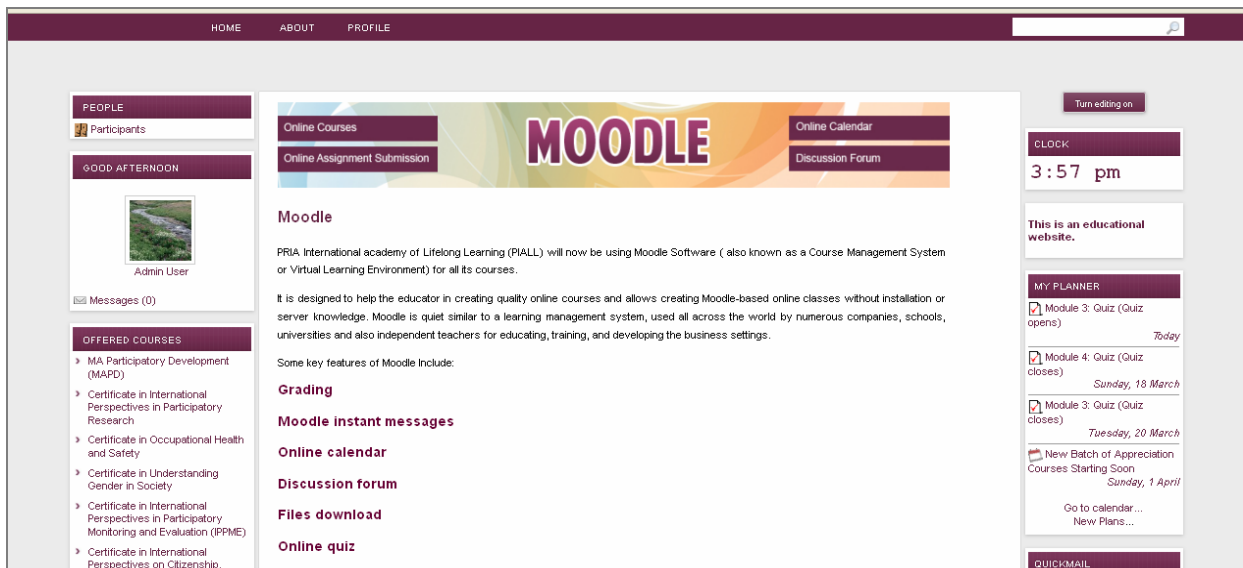
- Eliminated manual intervention and errors in the whole process
- Quality of source data was significantly improved
- Saved on paper system cost
- Immediate and detailed feedback

Screenshots



The screenshot shows the Moodle Site Administration interface. The top navigation bar includes HOME, ABOUT, and PROFILE. A 'Blocks editing on' indicator is visible in the top right. The left sidebar contains a 'SITE ADMINISTRATION' menu with categories like Notifications, Users, Authentication, Accounts, Permissions, Courses, Grades, Location, Language, Modules, Security, Appearance, Front Page, Server, Networking, Reports, and Miscellaneous. The main content area is titled 'MANAGE AUTHENTICATION' and displays a table of 'Active authentication plugins'.

NAME	ENABLE	UP/DOWN	SETTINGS
Manual accounts			Settings
No login			Settings
Unique login	<input checked="" type="checkbox"/>		Settings
CAS server (SSO)	<input type="checkbox"/>		Settings
External database	<input type="checkbox"/>		Settings
Email-based self-registration	<input type="checkbox"/>		Settings
FirstClass server	<input type="checkbox"/>		Settings
IMAP server	<input type="checkbox"/>		Settings
LDAP server	<input type="checkbox"/>		Settings
Moodle Network authentication	<input type="checkbox"/>		Settings
NNTP server	<input type="checkbox"/>		Settings
No authentication	<input type="checkbox"/>		Settings



The screenshot shows a Moodle course page. The top navigation bar includes HOME, ABOUT, and PROFILE. A search bar is located in the top right. The left sidebar contains a 'PEOPLE' section with 'Participants', a 'GOOD AFTERNOON' section with a photo of a river and 'Admin User', and an 'OFFERED COURSES' section listing various certificates. The main content area features a 'MOODLE' banner with 'Online Courses', 'Online Assignment Submission', 'Online Calendar', and 'Discussion Forum' buttons. Below the banner, there is a 'Moodle' section with a description of the system and its features. The right sidebar contains a 'CLOCK' section showing the time as 3:57 pm, a 'This is an educational websR.' section, a 'MY PLANNER' section with a list of quizzes, and a 'QUICKMAIL' section.

MOODLE

Online Courses | Online Assignment Submission | Online Calendar | Discussion Forum

Moodle

PIA International academy of Lifelong Learning (PIALL) will now be using Moodle Software (also known as a Course Management System or Virtual Learning Environment) for all its courses.

It is designed to help the educator in creating quality online courses and allows creating Moodle-based online classes without installation or server knowledge. Moodle is quite similar to a learning management system, used all across the world by numerous companies, schools, universities and also independent teachers for educating, training, and developing the business settings.

Some key features of Moodle include:

- Grading
- Moodle instant messages
- Online calendar
- Discussion forum
- Files download
- Online quiz

- SITE ADMINISTRATION**
- Notifications
 - Users
 - Courses
 - Add/edit courses
 - Enrolments
 - Course default settings
 - Course request
 - Backups
 - Grades
 - Location
 - Language
 - Modules
 - Security
 - Appearance
 - Front Page
 - Server
 - Networking
 - Reports
 - Miscellaneous
-

ADMIN BOOKMARKS

[bookmark this page](#)

COURSE CATEGORIES

COURSE CATEGORIES	COURSES	EDIT	MOVE CATEGORY TO:
Masters of Arts in Participatory Development	0		<input type="text" value="Top"/>
July 2010	0		<input type="text" value="Masters of Arts in Participatory Development"/>
Semester 1	3		<input type="text" value="Masters of Arts in Participatory Development / July 2010"/>
Semester 2	3		<input type="text" value="Masters of Arts in Participatory Development / July 2010"/>
Semester 3	3		<input type="text" value="Masters of Arts in Participatory Development / July 2010"/>
Semester 4	2		<input type="text" value="Masters of Arts in Participatory Development / July 2010"/>
January 2011	1		<input type="text" value="Masters of Arts in Participatory Development"/>