



# Customization of Moodle

Manufacturing Industry

## Manufacturing Industry



### Background

One of the leading providers of high-impact launch programmes was looking for a partner who could develop and launch one of their client's e-learning programs on an open source e-learning platform.

### Open Source eLearning Platform - Moodle

Moodle is an open source Content Management System or Learning Management System (LMS). It is a free Web application which allows educators to create high quality online courses. The key feature of Moodle is its open source license and design, which enables creators to customize it, i.e. develop additional functionality, educational games and quizzes, and most importantly, learners' response system.

### Client Requirement

The requirement of the client was to develop and deploy a learning portal based on Moodle, the most widely used open source LMS.

The client demanded complete course management in addition to customizing the features of Moodle to facilitate log-in, online quiz, tracking of each learner's status and reporting system.

Also, one of the requirements of the client was to develop the course which could be run on CD, online and SCORM.

### Challenge

The challenges intended by the client were to provide:

- Open source software that exclusively supports their online Course Management System with a wide range of functions such as videos, animations, scenarios, tracking final quiz scores and learner's status.
- A reporting system which gives statistics about the course available and the enrollment of learners to various courses.

The other challenge that arose during the development and deployment with respect to Moodle was that though Moodle is a sophisticated and user-friendly LMS, it equally lacks in reporting interface.

### Solution

Our experience in combining web designing and user experience and our expertise in customizing open source tools including Moodle enabled us to offer effective, flexible and cost-effective Moodle applications.

To provide an effective and a flexible solution, we chose to develop the courses in XML as it proved to be better in certain aspects such as easy text editions as well as translations, updating or deleting of slides and course interface, and reduced file size of animation screens.

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Most importantly, we customized Moodle templates to integrate simulations and quizzes at the end of each course, allocate scores or grades, provide certificates on passing the quiz and set up a log-in mechanism.

In addition to the above customization, we developed a reporting system which could generate:

- List of courses available
- List of learners enrolled
- List of various courses undertaken by learners

## Result

We were successful in providing an end-to-end solution and an educational strategy for the courses using Moodle.

Also, we delivered a course with functions like videos, animations, scenarios, tracking final quiz scores and learner's status. And most importantly, this course could run on open source software that supports the client's online Content Management System.

The complete customization of Moodle templates enabled us to deliver an innovative and better solution to meet our client's requirements.

On the whole, our approach to develop an effective learning management system exhilarated the client.

## About CommLab India

CommLab India ([www.commlabindia.com](http://www.commlabindia.com)) is a Custom eLearning Solutions Company based in India. Since 2000, it has been providing state-of-the-art eLearning services to organizations across the world in the areas of Learning Consultancy, Custom Courseware, and Learning Technology. Some of our reputed clients are **BC Hydro**, **George Washington University**, **Kawasaki** and **Deloitte**. We are preferred vendors to some of the Fortune 500 companies like **Alcoa**, **Unilever** and **Pepco Holdings Inc.**

## Sample Screenshots:

