

## SaaS Based Solution For Selling E-learning Product

### Client Needs :

Client is an instructor who wants to sell their e-learning products to peoples who are involved in maintenance and reliability in large industrial facilities such as oil & gas, petro chemical, mining, pulp and paper, military, steel, water and sewage, food, etc.

The primary focus of the project is to create a custom LMS for the client (who train multiple people in the organization) and give them the tools to add/manage/remove users, assign them the relevant course modules, and easily determine who has completed the modules assigned to them, and review their scores.

### Company need following points :

- ~ Add the users, which have different type like client admin, supervisor, and normal user, and assign them different roles and all roles have different type of courses which have lesson and quiz.
- ~ User can study course which he has assign ,lesson and quiz build in Articulate system and system track and store all data of user.
- ~ All type of reports and subscription can be managed by the admin.

### Challenges :

There are some challenges which we faced during the project completion.

- ~ We need to create an easy interface for the not IT experts or training managers.
- ~ We need to replicate the features of Moodle into our new LMS.
- ~ Virtual sub domain creation for each client and manage by the single database.
- ~ All course assign to the role and role assign to the user, in some cases admin can directly assign course the user, have to manage both things.
- ~ Lesson and quiz in SCROM system because client provide the zip(XML & SWF files) of lesson and quiz.
- ~ Track each activity of user about score, lesson quiz status and reports.
- ~ Show all courses and lessons in different Pie chart graph.
- ~ Dynamic template for changes the look and feel of the project for each client admin.

### Solution Provided By Yashco :

Our company provides the best way to solve this out with making the function which can reuse.

**Virtual Sub domain :** We create custom DNS record and manage the entire user by .htaccess file by get the Http host info and redirect them to right part of code.

Each client admin can change the look and fill of the system by replacing colors and fonts by his own we will make it working with JS.

**User study of SCROM content :** This is a complex task because all content in zip have to show in flash , We use moodle to show all the content in flash like SCORM system and for this we give facility to admin to upload course , lesson and quiz directly from our system.

**Register & login the user on both systems :** Implemented by making a API and make it working at the time of add user to insert the user also in Moodle and when user login we make it login on both system without user interaction with Moodle.

**Making the graph with user data :** Manage all data that track by Moodle for lesson study and show them to the graph as per the client requirement , we will manage this with API and in some cases directly call the function of moodle in CI with making a bunch of both Moodle and CI.

### Benefits Delivered :

The new product has following features :

- ~ Admin can manage all types of user.
- ~ Dynamically template change.
- ~ All type of user can login with their system.
- ~ User can study the content and also has reminder which lesson remain.
- ~ Graphical representation of all reports.
- ~ Admin can make single and client admin user, client admin can also manage their users easily.
- ~ Simple UI any user can check their status of lesson and study their content.

### Technologies :

- ~ Codeignter with HMVC for code integrity and separation of modules
- ~ Bootstrap for compatible on all devices.
- ~ Moodle for Scrom system and tracking.

#### Contact us

USA : +1-614-467-4600

INDIA : +91-731-470-1974

Email : ind@yashco.com