



Chemical Engineering Department, University of Indonesia

E-Learning and Website Development

Summary

Client: Chemical Engineering Department, University of Indonesia

Subject: E-Learning and Website Development

On the Web: www.chemeng.ui.ac.id

By Technology: Portal

By Industry: Education

Chemical Engineering Department (CED) is a part from Engineering Faculty at University of Indonesia. They came up with a need to revise their website. CED feels that their current website were difficult for content updating, display editing and less attractive -for containing too much text- especially for end users who visit the website.

CED also bring along their idea to built an online learning system (E-Learning) to support their educational activities. The current E-Learning facility which were provided by the university is being considered too crowded and lack of focus to the course activity. According to CED, E-Learning system functionality is acknowledge and will have better appliance if it was built specifically and by narrowing its scope. Therefore, Bening came up with the proposal of solution to revise the current website and to develop specific E-Learning system to fulfill and to support educational activities in CED.

Business Challenge

There isn't any significant challenge in this project, considering the experience that we have in website development. As for the development of E-Learning system, we were customizing Moodle (special E-Learning open source software) to meet the CED's requirements.

The project challenge is actually lies in the deployment of the application. Apparently the CED's server interface software was not supporting the version that were used in E-Learning system development. To solve the problem, we gave an extra help to update the software even though it requires additional time and effort.

How We Helped

To revise CED's website, Bening develop new website for CED. This new website accommodate the easiness of usage (including to add or to edit contents), better structure of display, attractive look and friendly interface, plus the easiness to add images or pictures.

While for the development of E-Learning system, we modified moodle according to the requirements from CED. There are various features that is used to support educational activities in CED. Combining the course materials and communication facility, this E-Learning system is surely taking and running its role. Now, it is possible for CED to run the course or learning activities anytime anywhere.

Technology Involved

Bening used a set of technology to accomplish the project.

Software:

Drupal, PHP, MySQL, Moodle

Hardware:

No specific hardware is required for this solution

