

Summary of Bachelor Thesis:

## **DEVELOPING A WEB-BASED TRAINING SYSTEM – WEBEDU**

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### **1. Introduction**

The modern society is starting to increasingly demand human study and study more disregarding their social background or working place. In Vietnam, many private universities and various training courses has found to afford this need. With the rapid development of information technology and the internet growth, online training courses, sometimes called e-learning, have been introduced recently in Vietnam. However, all of these courses have to use foreign commercial software, which is very expensive and not fully fit for Vietnam conditions and circumstances. In this thesis, we will develop a web-based online training system, called WebEdu, specially focusing on Vietnam online learning environment.

This system will support three main kinds of end-user including student (trainee, learner), teacher (instructor, presenter) and administrator (academic manager). Each kind of user will be authorized and used specific features. We use Microsoft.NET technology and Oracle Database Management System to build this system.

### **2. Functions**

#### **2.1. For Student**

Student can easily choose courses based on location and time schedule; review personal record and learning progress like attendance, grade; download and upload assignments; take online/computer-based assignments, quizzes, exams; give out feedback; contact with teachers by chat (on specific/appointive time & date) or email; discuss with other students through forums and mailing lists.

#### **2.2. For Teacher**

Teachers can upload their course outlines, assignments; edit course content online; broadcast email messages to their students; manage attendance and grades for their courses; create and distribute online/computer-based assignments, quizzes and exams.

### **2.3. For Administrator**

Administrators can easily manage online classrooms and timetables, schedule classes; distribute and collect questionnaires; monitor attendance and grades; print out certificates; generate statements and report.

### **3. Conclusion and Future Works**

Examining some famous commercial online training system and specifying Vietnam condition and circumstances for online training system, we are building a web-based online training system, called WebEdu. This system provided many useful features needed for an online training environment. It supports three main kinds of user, student, teacher and administrator.

At this time, WebEdu do not provide a collaborative learning environment which helps teachers and students discuss interactively. In the future, we will focus to this issue. However, we need a suitable model that has acceptable quality and can operate on low Internet bandwidth condition.

### **4. References**

- [1] User guide, *TopClass Server version 3.0*, WBT Systems.
- [2] Software, *SocratEase 1.6 server*, Eutectics Corporation.
- [3] Website, [www.citd.edu.vn](http://www.citd.edu.vn), Center of Information Technology Development, Vietnam National University, Hochiminh City.