Recommended Elective Course Web Application for Computer Science's student Chiang Mai University

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Abstract

This study aims to develop Recommended Elective Course Web Application for Computer Science's student, Chiang Mai University. The system has objective to provide decision support information to both students and advisors. The data in this study is Faculty of Science's student courses registered since 2006 to 2011 for filtering and analyzing.

The system was developed from the concept that was studied by Mr.Panupong Tansa. It separates into 2 parts: 1) analyzing part which filters and analyze the register data and 2) representing system which interacts with users. The system is implemented by HTML CSS, PHP and JavaScript. Development tools are SciLab MySql and Navicat.

The Result from this study can be use as prototype for study and develop course recommend system for another study.

Technology

Scripting Language

HIGHCHARTS

HTML CSS JavaScript

php

Analysis Tools

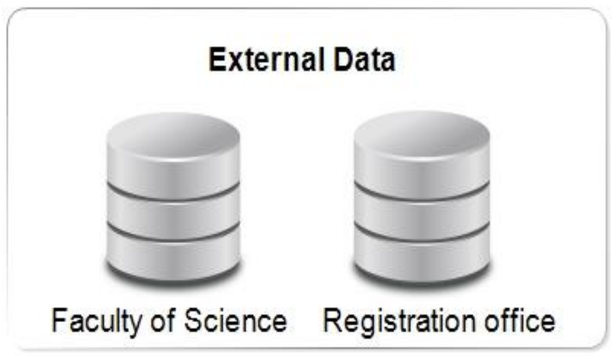
Scilab

R

Database Management

MySQL

Design



Result

กระบวนวิชาที่แนะนำให้ลงทะเบียนเรียน 050100,057126,204322,	
กระบวนวิชาที่ไม่แนะนำให้ลงทะเบียนเรียน 013110,204216,204219,204325,204333,204383,204422,204441,751100,851103,	
ช่วงของการแนะนำ	กระบวนวิชาที่แนะนำ
4-3	050100,057126,204322,
3-2	013110,204216,204219,204325,204333,204383,204422,204441,751100,
2-1	
1-0	851103,

Conclusion &Future Work

Recommended Elective Course Web Application for Computer Science's student, Chiang Mai University separates into two parts. The first Analyzing part which filters and analyze the register data by import data from Registration office and faculty of science into filtering and analyzing program for predict course that appropriate for student. The second Representing system is tool help adviser for decision and advice to student and student can use for finding course that appropriate for themselves. The Result from this study can be use as prototype for study and develop course recommend system for another study.

Citation

[1] Suhiman, Jasni Mohamad Zain, and Tutut Herawan. Data Mining for Education Decision Support: A Review. iJET – Volume 9, Issue 6, 2014

[2] Alan Cooper, Robert Reimann and David Cronin (2007). The Essentials of Interaction Design. Wiley Publishing Inc.