Establishing an Efficient Education Management Information System:

How to Facilitate the Activeness and Efficiency of The University Course with Technology?

## Introduction

The central research problem is that nowadays the online system wasn’t very efficient. Therefore, my topic related to this research is to draw a blue print about the education management information system especially for Informatics courses. With methods like setting up focus group and modelling, we’re going to figure out what kind of design for education management information system could best facilitate the face-to-face offline education. We think this research topic is important and has realistic meaning, not only because it can look into the reason why students and teachers have inertness into course session, but also it can help enhance the efficiency of students studying better as teacher working easier. But of course, we have set a premise here; this system is mainly for comprehensive universities’ respective faculties, but not for any single pupil schools, middle schools or high schools (because we think this kind of schools are restricted too much limitations from the policies and the system for them are always to-government client). According to the most updated researches, there has not been any mature management system for courses within university for a whole and I was expecting that maybe under the trend of wisdom teaching.

## Key Words

E-learning, University

## Background and Significance

Before we set the goal of making a newer and functional course management information system, I kept asking myself: is it necessary? Who will need my product? And is their any similar product existed in the current market?

Comparing with MOOC, nowadays people have such a question: if I can attain knowledge from the online page, why should I bother myself to walk into classroom and have a face-to-face course? Fair enough. And I was always thinking about an efficient way to improve the utility of offline course: for example, separate boring video and text reading into individual offline work from group activities in class. Separate the time-costing homework hand-in session from the real homework discussion session. Make class vivid.

Forget about the big picture. I mean, at least, we’re going to solve one problem, that’s the management efficiency. Here is the background. In the past two years, I have confronted troubles such as uploading homework files but failed, costing half an hour collecting students’ homework and pack them up to the teacher, not knowing the deadline or detailed description of homework, or downloading files from wechat and mail and find related files were cleaned up. However, I think with a simple management system website, we don’t have to jump from so many different platforms and worry about the validity of the files – because we know they are always accessible in this online platform.

## Literature Review

We look into some solutions for education management system such as Moodle, Blackboard and SAP, Oracle. And the interesting results are listed as follow:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Solution Providers | Functions | Advantages | Disadvantages | Applied Time | Influence (Popularity and efficiency) |
| Moodle |  |  |  |  |  |
| Blackboard |  |  |  |  |  |
| SAP |  |  |  |  |  |
| Oracle |  |  |  |  |  |

## Research Design and Methods

Firstly, we should do an investigation. According to UX design theory, it’s important to look into the psychology aspects of your users. Why? Because…

Secondly, we make a design for the process via Axure and Visio to make the whole process more clearer.

Last, we set on doing the project with our own hands. The languages we are using are mainly html, javascript and css.

And the challenges we will encounter may be…

## Preliminary Suppositions and Implications

We think that most people are unsatisfied with the current course and homework submitting system.

And the system we are going to develop maybe help solve this problem.

## Conclusion

With the improvement of…

## Citations