EMBEDDED SCHEME OF WORK STRUCTURE INTO LEARNING MANAGEMENT SYSTEM

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2016
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Abstrak


Kata kunci: Sistem Pengurusan Pembelajaran (LMS), tertanam, Skim Work (SOW), Moodle, Perisian Pengurusan Kursus (CMS)
Abstract

This research is related to the automatic integration of the Teaching Plan (TP) or Scheme of Work (SOW) into Moodle; a popular course management software (CMS). SOW is a document prepared by academic teachers to detail out a plan of the course throughout the teaching duration. It helps to better manage student activities such as quizzes, exam, topics, and etc. However, most departments like the School of Computing (SOC) normally prepare the document manually. Moodle allows for course to be managed effectively though the use of a web service. There are hundreds of features provided by Moodle to assist in teaching. Moodle divides the teaching duration according to pre-set dates. Current Moodle practice is that the SOW needs to be added manually into the SOW section of Moodle. This study found that most of the time, the lecturers’ SOW documents are not the same with their Moodle content and thus would have to modify accordingly. This is due to the manual entry for the SOW in the Moodle system that takes time and becomes cumbersome. This study presents a potential solution and describe show the SOW structure can be integrated automatically according to the weekly activities, like assignments and quizzes, by using a plugin developed in this study. The methodology used in this study is made up of five steps, namely, the awareness of the problem, suggestion, development, evaluation, and conclusion. Based on the evaluation performed through sampling, the plugin developed through this study has significant value by saving precious time in assisting the academician’s task of updating and using Moodle, specifically related to the SOW.

Keywords: Learning Management System (LMS), embedded, Scheme of Work (SOW), Moodle, Course Management Software (CMS)
Acknowledgement

In The Name of Allah, The Most Gracious and The Most Merciful, and Him Alone worthy of all praise

Alhamdulillah, I finished my thesis for master degree.

First and foremost, I am expressing my thankfulness and praise to Allah S.W.T for His guidance and blessings, thus I can complete my report project course to fill my Master of Science (Information Technology) certificate rules.

I would like to thank my supervisor, Dr. Amran bin Ahmad, for the valuable advice, patience, inspiration and support he has given me in the writing of this report. In addition, I would like to acknowledge my master project coordinator, Dr. Norliza binti Katuk for her guidance and mentoring.

My deepest thanks go to all my family especially my mom, Pn. Hjh Tuan Som binti Tuan Dir and my dad, Hj. Mat Yaacob bin Awang Mat for their love, understanding and support me in financial.

I also would like to thank to my colleagues and friends. This is because they have helped me so much during my project. They are very nice and friendly. They consistently offer help and suggestions when I doing my practical project. Besides, they also always share their working experience and other information with me.

Last but not least, a great deal of appreciations goes to all people who contribute directly or indirectly in completing this project successfully. Thank you.
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List of Abbreviations

UUM : Universiti Utara Malaysia
ICT : Information Communication Technologies
LMS : Learning Management System
VLM : Virtual Learning Management
OUM : UUM Online Learning
SOW : Scheme of work
MQA : Malaysian Quality Agency
LCMS : Learning Content Management System
WWW : World Wide Web
CMS : Course Management System
OSS : Open Source Software
VLE : Virtual Learning Environment
MMLS : Multimedia Learning System
OUM : Open University Malaysia
CHAPTER ONE
INTRODUCTION

1.1 Background

The Malaysian Quality Agency (MQA) has its own standardised Scheme of Work (SOW), so academic staff like lecturers in any university in Malaysia, like Universiti Utara Malaysia (UUM), must follow the rules from the MQA because SOW is one of the MQA mandatory requirements. Currently, UUM Online Learning (UOL) has been developed as a medium or interface for linking the lecturer and their students via the Internet. In UOL, course notes and related media are uploaded into the system by the lecturer for the students to use. Assessments, such as quizzes and assignments can also be uploaded and run at predetermined times. SOW is a very important document used by lecturers in UUM because it assists in informing the lecturers as well as students alike about the upcoming events of the course, since it is the blueprint for the course. In the area of academic field, SOW is more important for the lecturers because SOW serves as a guideline or reference for the lecturers to be prepared with the materials and assessments in advance, well before the course commences. However, the UUM implementation of SOW is still in the manual form, where the lecturer manually types the information into a document or a form and printed on the paper before the start of every semester. In order to move towards a paperless environment, this manual operation of SOW implementation can potentially be computerised to save time and money.

According to Blanco and Ginovart (2010), there are so many alternative ways to reduce using paper in the academic field, like using Moodle. According to Jonathan
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REFERENCES


