VIRTUAL LEARNING ENVIRONMENTS BASED ON UUM STUDENTS PROFILE FOR MULTI LEARNING PURPOSES

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A Project submitted to Dean of Postgraduate Studies and Research in partial Fulfillment of the requirements for the degree Master of Science of Information Technology Universiti Utara Malaysia

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ABSTRACT

Recently E-learning environment become more useful for presenting and providing learning materials over online services, which has gained significant popularity. E-learning is a multi-dimensional activity where each dimension should be most organization adequately supported by an E-learning system to provide fruitful learning materials to those are interest to read by online, a new experience for most users. The core problem of the current E-learning representation is the formalization of the learning concepts, which form the backbone of knowledge base about the domain or task setting, otherwise the student incapable to practice the different technology to enhance their ability to contribute. Hence, this study aimed to design and develop a virtual learning environment based on the user or student profile. Additionally, the propose system provide users with multi learning materials based on their searching profile. Use test case was adopted in this study for evaluating the system functionalities.

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CHAPTER ONE

INTRODUCTION

1.0 Introduction

Nowadays, information can be accessed at the corner of the room by the innovation and advancement of on-line web-based technology. UUM learning zone is an excellent example of web-based learning as students can get their lecture materials from the learning zone web site. E-learning is learning that involves the acquisition, generation and transfer of knowledge using information and communications technology (ICT). Through ICT, learning can be much more effective and cheaper than traditional learning methods, for example (Jeffrey, 2002; Jorge, Sandra & Roseli, 2006). If a student has difficulty with a particular concept, in e-learning the student may be required to revise the concept again, while a student who answers questions on the concept that with ease to move to the next concept immediately (Anuradha & Usha, 2006).

Different classification for the learning concepts has brought the usefulness for using new tools based on the learners needs. Furthermore, virtual learning environments customized to be interactive learning environments that are used for educational

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