

IMM-Book: E-Training Material for the EduWave System

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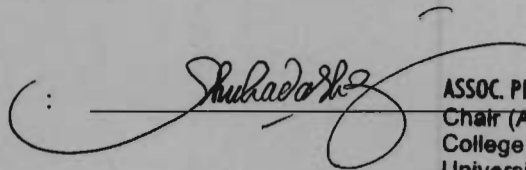
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ABSTRACT

The EduWave application is a dynamic Web-based system in Jordan. It has become necessary to enhance the current training materials for EduWave. The existing material, which is the e-book is said to be passive, not motivating and not friendly. Therefore, to overcome the passiveness and not motivating nature of the e-book, it is proposed that the e-book is replaced with a more interactive multimedia book (IMM-Book). Two objectives were formulated and these are to design an IMM-Book as a training material for EduWave system and to evaluate the IMM-Book in terms of interface design and content.

The contents of the developed IMM-Book training courses provide the new teacher to read the training information about using the EduWave system. The IMM-Book contents also support video shows and recorded audio that are inserted in the IMM-Book pages.

To evaluate the IMM-Book in terms of interface design and content, 10 potential end-users tried the book for a certain period. Some of the measured dimensions; Ease of Use, Screen Design, Information Presentation and Aesthetics all received high average values (out of 10 scale), which indicate that the new teachers agreed that, the IMM-Book is easy to use (mean = 7.5), follow the design principles (mean = 7.5), has clear presentation of information (mean = 7.6), and is pleasing to look at (mean = 7.3). Out of these 4 values, the Screen Design standard deviation is the lowest ($\sigma = 1.716$), indicating the new teachers were in better agreement to this dimension. Furthermore, the Overall Functionality of the IMM-Book is seen as functioning well (mean = 8.20). This dimension also has the least standard deviation ($\sigma = 1.476$), indicating the least dispersion from the mean.

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Chapter 1

INTRODUCTION

1.1 Introduction

The EduWave application is a dynamic Web-based system. The process operation for this system follows end-to-end e-Learning platform that is fully developed by the Integrated Technology Group located in Jordan. This application is said to be the most comprehensive e-learning platform available around the world, serving all stakeholders in the learning community [1]. The first deployment of EduWave was proudly in Jordan, the main supplier for this application was the Ministry of Education in Jordan, to serve 1.2 million users -nationwide-, rendering it the largest single deployment worldwide [1].

In Jordanian schools the new teachers use the EduWave system to enter the students' marks, update the students' information, upgrade the students' class, and classify the teachers' class time and levels in order.

In addition, the current EduWave system is supported by an electronic book (e-book) and training courses to guide the new teachers about using this system .The e-book contains information to teach the teachers on how to use the EduWave .The training courses train the teachers through data show presentation.

The contents of
the thesis is for
internal user
only

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