Universiti Teknologi MARA

Teaching Portfolio System Based On Application

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ABSTRACT

· A teaching portfolio is a coherent set of material that represents the teaching practice as related to student learning. The primary objective of teaching portfolio is educative and designed to meet program objective. The main objective of this research project is to create an electronic teaching portfolio platform for lecturers in FTMSK by using JAVA application as the existing system is manually done. This project was written using RealJ program. In this research project paper, there were specific steps to ensure the completion of the research. The first step was done to identify user requirements and specifications. Second step was to identify the activities that had to be included in the electronic teaching portfolio such as course information, scheme of work, attendance and assessment. The next step was committed to collect data and information from related sources and the fourth step was to design and implement the application. Programming and data acquisition were done by programmer in the fifth step. Finally, the report writing and user documentation were prepared as a reference in the future. System limitation and recommendations for further improvement were discussed in the conclusion chapter. As a conclusion, this system is a compliment for the manual existing teaching portfolio system and not the replacement for the existing one.

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CHAPTER 1

INTRODUCTION

This chapter provides the background and rationale for the project. It also gives details about problem description, the objective of the project, the benefit of the project and a brief summary of this chapter.

1.1 Background of the teaching portfolio in Faculty of Information Technology and Quantitative Science (FTMSK)

International Standardization of Organization (ISO) is the International Organization for Standardization and is the network standards' institutes of 147 countries, on the basis of one member per country, with a Central Secretariat in Geneva, Switzerland, that coordinates the system. It was established in 1947 to develop a common international standard system in many areas. Its members come from more than 120 national standard's bodies and apply to all types of organizations.

Recently, all of the faculties in Uitm Shah Alam have been using ISO system for standardization and to achieve the vision to become a world-class university. FTMSK is one of the faculties, which had announced to use this standard. Because of the standard, the pattern of management in FTMSK has been changed including the teaching and learning process.

The teaching and learning process has 3 parts that are program file, course file and teaching portfolio. Program file is a file that is handled by a program head. For an example, CS220 program head will handle program file of CS220. The course file contains the course information that consists in a program such as ITC451, ITT541