

# **APPROVAL**

Web-based FSKM Final Year Project Management System

by

MUHAMMAD HANAFI BIN AHMAD

2009566015

A thesis submitted to

FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES

UNIVERSITI TEKNOLOGI MARA

In fulfillment of requirement for the

BACHELOR OF SCIENCE (Hons.) NETCENTRIC COMPUTING

Approved by the examining committee:

.....  
Zolidah Kasiran

Project Supervisor

December 2011

## **ACKNOWLEDGEMENTS**

*Praise be to Allah SWT Most Gracious, Most Beneficent*

First and foremost, all my greatest praise to Allah SWT, the Almighty for His blessing and permission upon me to complete my project within the prescribe time.

Full of gratitude I have successfully completed my project. I would like to take this opportunity to express my gratitude to my supervisor, Pn. Zolidah Kasiran from FSKM, UiTM for her guidance and encouragement throughout the course of my studies. She has given me plentiful of ideas and advices in performing this project. Furthermore, I would like to thank to all my lecturers, my classmates and my friends for their great guidance and in-depth discussion towards my project. Lastly, I sincerely express my appreciation to my family and Nurul Syahidah for their understanding and encouragement throughout my degree. Also to all individuals that directly or indirectly helped me in this project. Thank you all for inspiring me in such means that could not be written in words.

Thank you, may Allah bless all of you.

## **ABSTRACT**

Final Year Project (FYP) is compulsory to all final year students for Faculty of Computer and Mathematical Sciences (FSKM). FYP is crucial component due to its broad coverage of knowledge and skills that students have go through from the beginning until a complete thesis was produced. The aim of this project is to develop and to test a web-based FSKM FYP Management System; stepping stone in enhancing the process of managing FYP done by student. This project focuses on final year student under Department of Computer Technology and Networking (CTN) who undertake course code CSP600 only. In essence, study and research had been done to solve the manual process of finding topic and supervisor, submitting forms, and preparing meeting minutes. Therefore, this project is proposed to overcome the current problem and ensure the capability of the system satisfies user's requirements and business flow. This project will follow System Development Life Cycle (SDLC) framework or also known as Waterfall Model. As a result of this project, the manual processes of such problem were computerized. It was the intentions of this project to change the actual practice to paperless and eco-friendly environment. It is hope that this project will give benefits to all users in managing FYP.

# TABLE OF CONTENTS

<b>CONTENTS</b>	<b>PAGE</b>
<b>APPROVAL</b>	<b>ii</b>
<b>DECLARATION</b>	<b>iii</b>
<b>ACKNOWLEDGEMENTS</b>	<b>iv</b>
<b>TABLE OF CONTENTS</b>	<b>v</b>
<b>LIST OF FIGURES</b>	<b>x</b>
<b>LIST OF TABLES</b>	<b>xii</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xiii</b>
<b>ABSTRACT</b>	<b>xiv</b>
<b>CHAPTER 1: INTRODUCTION</b>	
1.1    Research Background	1
1.2    Problem Statement	3
1.3    Objective	3
1.4    Project Scope	3
1.5    Significance of Research	4
1.6    Summary	4
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1    Final Year Project	5
2.2    Project Area	6
2.2.1    Network Security	6
2.2.2    Web-Based System	7
2.3    Language	8
2.3.1    Java	8
2.3.2    XML	9

# CHAPTER 1

## INTRODUCTION

This chapter provides the overview of research background and rationale on the project entitled FSKM FYP Management System. In this chapter, the research problem is discussed towards the formulation of the problem statements and the derivation of the research aim, objectives, scope and also significance of the research.

### 1.1 Research Background

Final year project (FYP) was introduced to all bachelor degree in every university. Student in Faculty of Computer and Mathematical Sciences (FSKM), University Technology of MARA (UiTM), are compulsory to take Project Proposal (CSP600) and Final Project (CSP650) as the requirement to complete their undergraduate program.

FYP is a very important piece of work. It is the time when students test and apply all the knowledge and skills that they have learned in the previous semesters such as critical thinking, creativity, time management and communication skills. FYP also allow students to specialize in a topic that they enjoy and in which they can prove themselves thus come up with good ideas and produce a good project. Student must come out with the original idea or make enhancement to the previous FYP. It gives opportunities to the student to develop analytical and problem solving skills in addition to other skills that cannot be taught in classrooms.

FYP make student look into different type of learning paradigm as well as nurturing working culture. Clear instructions and continuing guidance must be provided to final year student at all times too. The parties involved, such students, supervisors and coordinator must have clear understanding of what FYP stands for; expected outcomes, standards and procedures.