# Universiti Teknologi MARA

# Developing an Online Facilities Reservation System

Mohd Noor Ameen bin Mohd Surijo

Thesis submitted in fulfillment of the requirements for Bachelor of Science (Hons) Information System

Engineering

Faculty of Information Technology And

Quantitative Science

April 2006

### **DECLARATION**

I certify that this project to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

APRIL 25, 2006

MOHD NOOR AMEEN BIN MOHD SURIJO 2004219648

#### **ACKNOWLEDGMENT**

## "In the name of Allah, Most Gracious, Most Merciful"

Praise to Allah: Alhamdullillah, with His bless and for my family to pray for me night and day I am able to complete this project. The project delivered in this paper could not have been accomplished without the help of many individuals.

First and foremost, I would like to express my appreciations and millions of thanks to my project supervisor, Prof. Madya Nursuriati Jamil and project coordinator, Pn. Wan Nor Amalina Wan Hariri for their guides and their numerous invaluable advice, comments, guidance and persistence encouragement throughout the course of this project.

Finally, I am thankful to all people who names are not been mentioned for their encouragement, criticism, and support for this project. I wouldn't have done it without all of you. Thank you. Assalamualaikum.

#### **ABSTRACT**

Online Facilities Reservation System (OFRS) is one of the E-Office modules for FTMSK. OFRS refers to entities that provide services for an individual to have access to FTMSK's facilities information via an electronic medium such as Internet, Intranet and direct connection. The facilities reservation module allows the individuals to hire out computer lab, lecture rooms, meeting rooms and/or other facilities. The development of OFRS can improve the efficiency and accuracy of room and equipment processes for FTMSK's academicians. This development used OpenACS web application framework as project development framework and Application Framework Development Process as project methodology. As a result, Online Facilities Reservation System (OFRS) has been developed.

## TABLE OF CONTENTS

CONTENT	Γ	PAGE			
APPROVA	<b>AL</b>	ii			
DECLARATION ACKNOWLEDGEMENT ABSTRACT LIST OF TABLES LIST OF FIGURES LIST OF ABBREVIATION		iii iv v xii xiii xv			
			CHAPTER	R 1: INTRODUCTION	
			1.1	Background	1
			1.2	Problem statement	2
			1.3	Objective of the project	4
			1.4	Scope of the project	4
1.5	Significance of the project	4			
1.6	Structure and organization of this document	5			
CHAPTER	2: LITERATURE REVIEW				
2.1	Introduction	6			
2.2	Online Facilities Reservation System (OFRS)	7			
2.3	Related Studies				
	2.3.1 Web Application Framework	8			
	2.3.2 Object Oriented Programming	9			
	2.3.3 Open Source	10			