

**The Development of a Postgraduate Management  
System (PG-MS)**

**A Thesis submitted to the Faculty of Information Technology  
in partial Fulfillment of the requirement for the degree  
Master of Science (Information Technology)  
Universiti Utara Malaysia**

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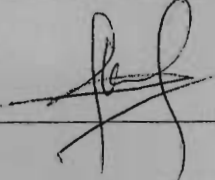
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## **ABSTRACT**

This study aims to develop a prototype system for postgraduate students in UUM especially students in the Graduate Department of Information Technology, Computer Science and Multimedia, focusing on the entry requirements for the final project. Because of the increasing number of postgraduate students in this department, it usually takes quite a long time to fill the application manually and to do the processing of the application after it has been submitted. The system development life cycle (SDLC) methodology will be used in this study and it considers the general methodology to develop the system.

**Key word: Information Technology, system development.**

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## LIST OF ABBREVIATIONS

SDLC	System development life cycle
PHP	Personal home page
UUM	University Utara Malaysia
PG-MS	Postgraduate management system
CAS	College arts of sciences
MSc	Master of Science
CMS	Content management systems
E-U	Electronic University
NREN	National Research and Education Network
MCMS	Microsoft Content Management Server
EPS	Easy Pay System
ERP	Enterprise Resource Planning
CAC	Campus Advisory Committee
CMS	Course management system
DCA	Digital Collections and Archives
NHPRC	National Historical Publications and Records Commission
JVM	Java runs a virtual machine
UML	Unified modelling language
SPSS	Statistical Package for Social Sciences
IIS	Internet Information Services
DBMS	Data base management system

# CHAPTER 1

## *INTRODUCTION*

### **1.1 Introduction**

Each semester there are a number of post-graduate students registered to complete the final projects. Students chose their supervisors based on a subject area that matching their project title, this process might be face some difficulties such as management issues for instance, estimate the number of students which are willing to register their final project . Therefore this paper seeks to develop electronically system that can facilitate the final project operation.

Currently, some of universities have developed their own project management system for postgraduate. The University of Pretoria is one of these universities that implemented this system (Dr.Venter, S.2003). However, the customized software only provides an avenue for submission, choosing topic and supervisors, view schedule, and change or modifying previous things.

The purpose of this project is to develop a management information system for postgraduate of University Utara Malaysia (UUM), which provides the necessary facilities that include all operation about final project management system.

The contents of  
the thesis is for  
internal user  
only

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