

Universiti Teknologi MARA

**UiTM Promotion Exercise System
(UPES)**

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Peace and blessings of Allah be upon Prophet Muhammad.*

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TABLE OF CONTENTS

CONTENTS	PAGE
APPROVAL	ii
CERTIFICATE OF ORIGINALITY	iii
ACKNOWLEDGEMENTS	iv
TABLE OF CONTENTS	v
LIST OF FIGURES	viii
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi
ABSTRACT	xii
CHAPTER 1: INTRODUCTION	
1.0 Project Background	1
1.1 Need of Promotion Exercise System	1
1.2 Problem Statement	2
1.3 Objective	3
1.4 Scope	3
1.5 Significant	3
CHAPTER 2: LITERATURE REVIEW	
2.0 Introduction	4
2.1 Promotion Exercise System	4
2.1.1 Definition of Decision Support Systems	4
2.1.2 Evolution of Decision Support Systems	8
2.1.2.1 Significance of Decision Support Systems	10
2.1.3 Architecture of Decision Support System	11
2.1.3.1 Data Managements Components	12
2.1.3.2 Model Management Component	13
2.1.3.3 Knowledge Management Component	14

ABSTRACT

There are many systems and application has been migrated to the web-based in world nowadays. For the time being, all of the complaint management about facility and services in Fakulti Sains Komputer dan Matematik (FSKM) is done by manually. Using manual system, all applicant very difficult to manahe and identify criteria. The purpose this project is to help the applicant for the promotion to make an application by filling a form. Using this system, all applicant can filling a application without need to print a form or make the photo copy. They just open a form in website and fill the form. The system architecture that are used to develop this system are Netbeans which is the combination of GlassFish Web Server, MySQL Database Server and PC. This system will be access with web browser like Mozilla Firefox. Five major activities are being taken to achieving the objectives of the system. The first activity is planning and problem identification to identify research area, problem statement, objectives, scope and significant of research. The second activity is analysis and requirement gathering where data collection from the journals that are found. The third activity is designing system design and detailed design. The fourth activity is to develop UiTM Promotion Exercise System. The last activity is testing the system to make sure that there are errors free of this system. By using this system, communication between the changing information for each application and scoring information can be made more easily and regularly. Thus, human error, error in information and communication delays can be reduced. In addition, adjustments can be made more systematic job of using a web-based systems that provide more facilities such as automatic application of the assessment marks

Chapter 1

Introduction

1.0 Project Background

University Technology MARA (UiTM) lectures have seven services scheme namely Assistant Lecturer (which follows the Malaysian government salary scheme called grade DM41), Lecturer (DM45/46), Senior Lecturer (DM51/52), Associate Professor (DM53/54), Professor (VK7), Professor (VK8) and Professor (VK9). A lecturer recruited with degree level start at DM46, where the Master degree level would start at DM48. As years go on, the lecturer would go up the career ladder to be promoted to a higher scheme.

This promotion is based on teaching, research, consultation, conference, writing and other recognition. The weighted and expectation from each area differs for different promotional exercise. For example, to go to DM52 teaching will be give percentage 50 percent, 20 percent for research, and 5 percent for conference. On top of that DM46 lecturers are only expected to type article at national level. Whereas those that aspire for DM52 are expected to write at least three (3) articles in Refereed Journal/Refereed Publication or no impact factor of journals or book publishers who are recognized in the current grade.

1.1 Need of Promotion Exercise System

At present there are about 5000 lecturers and each of them would go through a promotion exercise every five years and most of them would go through this exercise for about four times. At present the form is available for downloaded and it is in Microsoft Excel Template. Filling-up the form is quite arduous, lengthy and each entry has to be supported by some documents as supporting evidence as well as for the perusal of the panelist. For the convenience of evaluation, the form-filling has to be done in a standard format. Many of the points are generated automatically first for the convenience of the