

Universiti Teknologi MARA

**Expert Project Management System (EPMS):
System Server**

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ABSTRACT

Project management is crucial for project manager and his team member to keep track of their project's progress. Sometimes a project manager can hold many project under his hand and it is hard to manage without a proper application. Even though there are many kind of project management system to guarantee the project management. The existing project management system application for Android has certain drawbacks because the application loads quite slow and always hangs. Apart from that, from the user reviews, there are some who commented that the application system could not manage users. Due to these drawbacks, this paper describes expert project management system (EPMS). In this system, a system server will be developed to cater the problems that occur. Besides that, this system will be developed on a web-based with a database by using MySQL and PHP scripting language to generate the system's interface. Experimental findings show the effectiveness in speed and easy to use system for expert project management system (EPMS).

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR’S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF ABBREVIATIONS	x
 CHAPTER ONE: INTRODUCTION	
1.1 Background of Study	1
1.2 Problem Statement	3
1.3 Objectives	4
1.4 Project Scope	5
1.5 Research Significance	6
1.6 Outline of the Thesis	7
 CHAPTER TWO: LITERATURE REVIEW	
2.1 Technology	8
2.2 Related Works	10
2.2.1 Design Development of Consolidation Project Management System in Guangdong province	10
2.2.2 Designing Project Management Systems	10
2.2.3 Web base project management system for development of ICT project outsourced by Iranian government	11

CHAPTER 2

LITERATURE REVIEW

This chapter describe the reading materials of research and findings of existing Project Management System. It discusses the technology and related works in the market.

2.1 Technology

There are wide ranges of technology for Project Management System but in this paper only describe the technology for system module. The first technology is MySQL that runs as a server providing multi-user access to a number of databases released on 23 May 1995. It is named after co-founder Michael Widenius' daughter, My and the SQL abbreviation for Structured Query Language (AB MySQL, 2001). It is the world's most widely used open source relational database management system (RDBMS) that provide an open source code under the terms of GNU General Public License.

Third party proprietary application or front ends that integrate with MySQL and enable users to work with database structure and data visually are Adminer, HeidiSQL, LibreOffice Base, Navicat, phpMyAdmin, Sequel Pro and many more (DuBois, 2009). Meanwhile for third party tools for command line to manage, optimize, monitor and backup a MySQL server are Maatkit, XtraBackup and MySQL::Replication. MySQL works on many different platforms such as FreeBSD, Mac OS X, Microsoft Windows, Solaris, SunOS and Linux. It is written in C or C++ programming language, parser written in yacc and home-brewed lexical analyzer. Programming language with specific APIs include libraries for accessing MySQL databases which include MySQL Connector/Net for integration with Microsoft's Visual Studio where language such as C# and VB are most commonly used and JDBC driver for Java.