# UNIVERSITI TEKNOLOGI MARA

# TEACHERS RESOURCES MANAGEMENT SYSTEM (TREMS)

**AHMAD NAZREEN BIN MOHD FAUZI**
**ATIQAH BT HASAN**
**NAJWA BT ABDUL NAJEH**
**NUR HASIF BIN TOHID**

**BACHELOR OF SCIENCE (HONS.)**
**NETCENTRIC COMPUTING**

**JUNE 2012**

# Acknowledgement

**In the name of Allah, The Most Gracious, The Most Merciful**

All praise and thanks to ALLAH the lord of the heavens and Earth for all His bless and the strength His give that we had able completing this final year project.The special thanks and appreciation goes to our helpful supervisor and also our coordinator, Professor Zolidah Kasiran for her dedication with a lot of help, advise and encourage us to complete the final year project. The supervision truly helps the progression and smoothness of the project. Without her dedication, this project may difficult to complete.

We would like to thank our family member especially our parent for their supporting and encouraging us physically and mentally all this. Without their encouragement, we would not have finished this project.We also would to thanks to the teachers especially headmistress in Sekolah Kebangsaan Bandar Tun Hussein Onn (2) for their contribution idea, opinion, time and cooperation they gave to us.

Last but not least, we would like to thank our friends especially from cs2316A and others for their supporting and contribution either directly or indirectly towards this project.

Thank You. May Allah bless you all.

## Abstract

At this time, school always uses the manual system such as books and files to record and store information. This scenario always happens in Sekolah Kebangsaan Bandar Tun Hussein Onn (2). As known, manual system has many weaknesses because it can be lost easily and waste time. Therefore, the schools need a systematic system to help their teachers from doing repeating works and consuming time. The system known as Teachers Resources Management System (TReMS) was developed to overcome manual system used by teachers. TReMS is developing consist student attendance list, teachers teaching record, student record and student co curriculum marks. Therefore, it has 5 modules that are user module for login system, student information, student co curriculum mark, student attendance list and teachers teaching record. By using TReMS, it can help teachers manage information. Waterfall methodology is been used to study a requirement to build TReMS system. As the result, TReMS is capable to record, store and retrieve student information, student co curriculum, student attendance and teaching record. Besides, TREMS also capable to search student co curriculum, count student co curriculum mark and the total of class attendance. This system is implementing MVC web architecture by using CakePHP framework. With the establishment of this system, it can help teachers from SKBTH 2 doing manually record again.

**TABLE OF CONTENTS**

| CONTENTS | PAGE |
|---|---|

# CHAPTER 1

# INTRODUCTION

## 1.0 Introduction

Finally, we had finished doing our final year project. In this book we represented our project titled Teacher Resources Management System (TREMS). The system is a smart information system that assists primary school to operate more efficiently and fast. It contains four main modules which were student attendance system, student information system, student co-curriculum system and also teaching record system. Each module operates its own unique processes, as for attendance system will manages taking the records of daily student attendances, while student information system module is managing the information of all the students in the school, and so on. There will be two types of users that can use the system, which were teachers and also school administratives.

Our stakeholder was Sekolah Kebangsaan Tun Hussein Onn 2, a regular primary school located at Cheras, Selangor. The school was still practicing the book system and file system to keep their data. In our previous meeting, they agreed to be our stakeholder and also agreed with our suggestions what and how the system should be. In a survey we made to the school teachers, many of them were satisfied with the current system but some improvement may welcome. In our opinion, the teachers have adapted to the current system because they cannot complained more as majorly the other primary school also used the same system.

Finally, we were very grateful to Allah S.W.T for letting us finished our final year project. Without the helps from Him, we cannot achieve what we have achieved today. Besides, thousands of appreciations to our supervisor, Puan Zolidah Bte Kasiran for assisting and driving us along our final year project. She has been a very helpful person, showed us the right ways to build our system. There are many new things that we have learnt from this project. Pn Zolidah also is our coordinator which is easier for us to consult with her without we have to consult with other person. We also want to thank our examiner for lend some his/her precious time to examine at our final project report. Thanks to our examiner, we learnt the right ways to do a final project report. Syukran Ya Rabb.