This report is submitted in partial fulfilment of the requirements for the Bachelor of Computer Science (Database Management)
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JUDUL: SISTEM MAKLUMAT DAN PEMARKAHAN PELAJAR (SMPP)

SESJ PENGAJIAN: 2009/2010

Saya NUR ZAHIRA BINTI MOHD AZLAN

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I hereby declare that this project report entitled
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(SMPP)

Is written by me and is my own effort and that no part has been plagiarized without citations.

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DEDICATION

To my beloved parents, siblings and friends

To my beloved mother and father,
I don’t always show it but you know how I do appreciate how much
The both of you have helped me with my life
And million thanks for the greatest and continuously support and motivation
And give me all of the things for me to gotten this far
Thank you and I love both of you.

To my dearest siblings,
Thank you for all the motivation and support
And also thank you for the opinions that help me to do this project even better
Thank you and I love all of you.

To my lovely friends,
Life is not easy but that what make life interesting
The every moment we share is always the sweetest memory we ever experience together
And hopefully we can cherish it forever
Thank you and friendship forever.
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I would also like to thank my beloved parents and my dear sister as well as my friends who have been giving me support and motivation throughout my project.
ABSTRACT

Sistem Maklumat dan Pemarkahan Pelajar (SMPP) is a system where it helps the users (teachers) in managing student information and the student grading at the same time more easily and smoothly. This system help users in saving more time and the flow of the system is understandable. Through the process in developing this system, observations on the current systems problems are identified. The separate system for student information and student grading is separated and this makes the user wasting time in managing both of the system. The current system used Microsoft Access as the database in recording all the information. Not only that, there is no user authentication when using this system and this can lead to loss of data. While for grading system, there are two user authentication options and it is quite confusing and not very efficient. The modules of new system, SMPP are student information, parent’s information, teacher information, co-curriculum information and grading system. The grading system includes the student marks and results as well as examination analysis. This system is build using Visual Basic 2005 for building the application interface and the SQL Server 2005 is used for database purposed.
ABSTRAK

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CHAPTER I

INTRODUCTION

1.1 Project Background

In schools, teachers have many responsibilities not only to teach the students but also to manage students’ information. The student’s information includes the personal, parents, co-curriculum activities, and students’ assessment. The information is critical for any school because it needs to report to minister of education. Therefore, the managing of this information also crucial in order to make sure the information is up to date, accurate and ready. Most of the schools still use manual way of storing information. However, some of the schools have started to use information technology as a tool to store and manipulate the data. Sistem Maklumat Murid (SMM) is one of the good examples of the system. It has three modules that are students’ information, parents’ information, and co-curriculum activities. Although, it is a good system it does not have a grading system that keep the assessment of the students and the position of the students in class and level/form. Therefore, this project addresses this issue by proposing a similar system but with additional module that is the teacher module and additional function which is grading system for Sekolah Menengah Dr. Burhanuddin (SMDB).
1.1.1 Current System Background

Sekolah Menengah Dr. Burhanuddin (SMDB) used both SMM and grade system to store data separately and manually and takes lot of time. Their current system use Microsoft Access as database which is not secure enough as the SMM has no login function which means anybody can use the application and see the data. While for grading system, all teachers can key in the marks in any class with the subject they teach.

1.2 Problem Statements

1. Ministry has encouraged limiting the use of papers in public sector including schools.

2. Inefficient way of record data as the data is stored in two separate systems and no integration between it. This will take times to search data (data about student's information and their academic result).

3. Insecure, no user authentication is in SMM no login function while in Grading System, there is two option; non-login for teacher to key in the marks and login for Classroom teacher just to see whether the marks are all filled. This may also lead to lost or missing of important data.

1.3 Objectives
1. This system can help in reducing paper use.
2. The assessment /exam result will not easily loss.
3. Time saving for teacher in managing student’s information and grade.
4. To facilitate the management of student information and result. The management will be much more arranged and smooth.
5. This system will be more secure in saving data.

1.4 Project Scope

The development of this system will cover the areas mentioned below:

1. The modules for this system are teacher’s information, student’s information, parent’s information, co-curriculum activities, and grading system. Module teacher’s information stores all the information regarding the teacher information together with the history of their class and subject assignation. Student’s information stores all data about student’s detail. Parent’s module stores all the details about the parents including their salary and dependant/s. Co-curriculum modules stores all activities information that related to the student. Grading system is a module that let the teachers to make the assessment of the students and the position of the students in class and for whole results (position of students in form/level).

2. The users for this system are school teachers, related staffs and person in charge of student information and grading system (admin). All the teachers can only see their profile, their student’s related information (for admin and classroom teacher only), and key in marks for the subject/s they teach only. Admin have all the privileges and can make all the needed changes according to the situation. The client for this system is all the teachers at SMDB.
1.5 Project Significance

This system will have five modules which are teachers’ information, students’ information, parents’ information, co-curriculum activities, and grading system. This system helps the users, school teachers and person in charge of student information in saving more time. The teachers will make the assessment of the students and the position of the students in class which then gives the results to the person in charge for whole results (position of students in form/level). This system is more user friendly and easier to be understand for teachers especially for those who are not computer literate. The research will be conducted in terms of interview or survey to target users for more detail about the current system which will help in designing and developing the Sistem Maklumat dan Pemarkahan Pelajar (SMPP). The data that likely to be collected is the students’ personal information.

1.6 Expected Output

The new SMPP for SMDB is more user friendly (in terms of flow and design). The SMPP contains five modules that are teachers’ information, students’ information, parents’ information, co-curriculum activities, and grading system. The proposed system is based on the current system (Sistem Maklumat Murid). The current system does not have the grading modules. This module will automatically generate the grade and position of the students. It will also print the students’ record if necessary.
1.7 Conclusion

The project proposes to build a Sistem Maklumat dan Pemarkahan Pelajar (SMPP) - Student Information and Grading System for SMDB that facilitates the daunting task of schoolteachers. The SIGS contains five modules that are teachers’ information, students’ information, parents’ information, co-curriculum activities, and grading system. The proposed system is based on the current system (Sistem Maklumat Murid). The current system does not have the grading modules. By having this module it will automatically generate the grade and position of the students. The methodology approach that is use to develop this system will be discuss in the next chapter.