BORANG PENGESAHAN STATUS TESIS*

JUDUL: UTeM SUKSIS Website (USW)

SESI PENGAJIAN: 2008/2009

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* Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

UTeM SUKSIS WEBSITE

NURHAZWANI BINTI MD EDROS

This report is submitted in partial fulfillment of the requirements for the Bachelor of Computer Science (Software Development)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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2008

DECLARATION

I hereby declare that this project report entitled

UTeM SUKSIS WEBSITE

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

STUDENT: _____ **Date:** 19 June 2008

(NURHAZWANI BINTI MD EDROS)

SUPERVISOR: _____ **Date:** 19 June 2008

(PN.ZURAIDA BT ABAL ABAS)

DEDICATION

To my beloved parents, supervisor, lecturers, and my friends for giving assistant to complete this project successfully

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Alhamdulillah, praise to Allah s.w.t, I am very pleased and grateful of being able to finish my final project. First and foremost, I would like to thank my beloved parents and my family for their support and motivation throughout my project.

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ABSTRACT

"Kor Sukarelawan Polis Siswa/Siswi UTeM (UTeM SUKSIS)" is the uniformed force that related to the Royal Malaysian Police which has been established on 2006 in UTeM. As a new uniformed force, lots of students especially UTeM students do not know about the advantages of joining it. In addition to that, this website is developing to expose them about this uniformed force. This dynamic website also provided online system to help SUKSIS's management. This online system is for administrator, instructor and SUKSIS's member. They have to login to use this system. Administrator can manage user and schedule SUKSIS's activity. While instructor can edit their profile and view the activity scheduled. They can also calculate member's monthly allowance. Members have privilege to edit their profile, view activity and their monthly allowance. Apart from that, this system provides filtering qualification system for viewer to know whether they are qualified to join SUKSIS or not. As for the development tools; this system is developed with AppServ Open Project – 2.5.8. It is a merging open source software installer package for Windows which includes the MySQL Database Version 5.0.27 as the database, Apache Web Server Version 2.2.4 as the web server, PHP Script Language Version 5.2.1 as the programming language, and phpMyAdmin Database Manager Version 2.9.2 as the admin database interface. Plus, the development tool that is used to develop this system is Macromedia Dreamweaver 8. Meanwhile, the hardware used is one set of computer which includes Microsoft Windows XP Professional N Version 2002, 1.73 Gigahertz Intel Pentium M Processor, and 512 MB DDR2 memory, and 60 GB HDD hard disk. With the interactive and user friendly interface, hopefully this website will be an efficient online system.

ABSTRAK

"Kor Sukarelawan Polis Siswa/Siswi UTeM (SUKSIS UTeM)" ialah sebuah badan beruniform yang berkaitan dengan Polis Diraja Malaysia yang telah ditubuhkan pada tahun 2006 di UTeM. Sebagai sebuah badan beruniform yang baru, ramai pelajar terutamanya pelajar UTeM yang tidak tahu mengenai kelebihan menyertai badan beruniform ini. Oleh itu laman web SUKSIS UTeM ini dibangunkan untuk mendedahkan pelajar terhadap kelebihan badan beruniform ini. Laman web yang dinamik ini juga menyediakan sistem atas talian untuk kemudahan pengurusan SUKSIS. Sistem atas talian ini adalah untuk penggunaan pentadbiran, jurulatih dan anggota SUKSIS. Mereka perlu daftar masuk untuk menggunakan sistem ini. Bahagian pentadbiran boleh menguruskan pengguna dan penjadualan aktiviti SUKSIS. Jurulatih pula boleh mengubah profil serta melihat aktiviti yang telah dijadualkan oleh bahagian pentadbiran. Jurulatih juga boleh mengira elaun bulanan anggota melalui sistem atas talian ini. Anggota SUKSIS pula mendapat keistimewaan untuk mengubah profil, melihat jadual aktiviti serta elaun bulanan mereka. Selain itu. Sistem ini juga menyediakan sistem penapis kelayakan untuk pengguna mengetahui sama ada mereka layak atau tidak untuk mentertai SUKSIS. Sistem ini dibangunkan dengan menggunakan perisian AppServ Open Project – 2.5.8. Ia ialah sejenis perisian terbuka untuk Windows yang mana di dalamnya mengandungi MySQL Database Versi 5.0.27 sebagai pangkalan data, Apache Web Server Versi 2.2.4 sebagai pelayan web, PHP Script Language Versi 5.2.1 sebagai bahasa pengaturcaraan, dan phpMyAdmin Database Manager Version 2.9.2 sebagai antaramuka pangkalan data admin. Selain itu, Macromedia Dreamweaver 8 turut digunakan dalam membangunkan sistem ini. Manakala antara alat perkakasan yang digunakan adalah satu set komputer yang mengandungi Microsoft Windows XP Professional N Version 2002, pemprosesan Intel Pentium M 1.73 Gigahertz, memori DDR2 512 MB, cakera keras HDD 60 GB. Dengan antaramuka pengguna yang interaktif serta mesra pengguna diharapkan sistem ini akan menjadi sebuah laman web serta sistem atas talian yang efisyen.

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USW	-	UTeM SUKSIS Website
SUKSIS	-	Kor Sukarelawan Polis Siswa/Siswi
UTeM	-	Universiti Teknikal Malaysia Melaka
OOAD	-	Oriented Analysis Design
RUP	-	Rational Unified Process
DBMS	-	Database Management System

LIST OF ATTACHMENTS

CHAPTER I

INTRODUCTION

1.1 Project Background

"Kor Sukarelawan Polis Siswa/Siswi UTeM (UTeM SUKSIS)" is the uniformed force that related to the Royal Malaysian Police which has been established on 2006 in UTeM. There is less information about UTeM SUKSIS because this uniformed force is very new in UTeM. By implementing UTeM SUKSIS Website (USW), it will give more exposure to UTeM students about this uniformed force.

Recently, UTeM SUKSIS have 3 platoons which are about 80 members. In order to give information about the latest schedule, admin will inform them directly or by short messaging service (SMS) and forum. As a consequence, there are probability of the occurrences of some miscommunication between the admin and members in giving information. It will cause a problem which is not all member will get the information. There is still no official channel which can connect admin with members and officer.

Students that interested to join SUKSIS need to face physical agility examination test before they are successfully selected to be one of the member. The qualification test will be conducted by the qualified instructors that specially train to conduct recruit whether from School Police Cadet, Police Volunteer Reserved (PVR) and also SUKSIS.

This test including measurement of height, weight, chest circumference (men only), eye test, color blind test, manual physical check and also shuttle run.

In SUKSIS, there are many activities involves outdoor and indoor activities. For examples are marching, law class, compass marching, camping and also shooting training. Due to that, the activities should be plan and scheduled properly so that it will make the members and also the instructor get alarmed to the activities that will take place in time to time. They should have better way to spread information to all the members instead of verbally and by Short Messaging Service (SMS).

1.2 Problem Statement

Analyze the identified problems is a collection of information about all the existing and non existing system around the world. The main problem statements that had occurred in the real environment are listed as follow:

Students do not have information about SUKSIS and do not know the qualification needed to join this uniform unit. Because there are some candidates that do not even know what are the qualifications to join this force. It is pity for them when they go to the selection and unfortunately get rejected. So the information about the general information of SUKSIS should be informed clearly to the candidates.

Filing is still being use to keep members' profile and information. If there is any changes such as address or phone number, member need to inform the administrator to update their profile. Storing information manually will involve a lot of papers, spaces and face redundant information problem. The management process will also take times and not efficient.

Activities are schedule manually. The administrator needs to make sure to the instructor each time they need to do the training. Activities are informed to the members verbally or using short messaging service (SMS). Sometimes there are members that can not get the information about the activities. It will make the absence of training for the members that do not know about the activities.

Members do not know actual amount of allowance that they will get for respective month. Some members complained to the officer because they do not get the appropriate amount of allowance for the respected month. Sometimes the problem happen when there are some members get their monthly allowance less than other members and they did not know why it happen.

1.3 Objective

USW is intended to meet some objectives that have been recognized to improve the quality of SUKSIS information system. The objectives are as follow:

This website will give all the information about SUKSIS. It also provided with filtering system to help students to know weather they are qualified to join this uniform unit or not. This will help the officer in charge to make a selection in proceed to the next session of interview.

Members can edit their own profile via this website. This will help administrator to maintain the latest information about the members. It will also solve papers, storing spaces and redundant information problem

The information about latest schedule or any occasion involving SUKSIS members will be announced in more effective way. There is also a proper training

schedule for the members and instructor to refer to what activities take place on that respective month.

This website also will view the amount of the activities that members have attended and also show their total hour of activities. Then the calculation of their allowance will be easier and there will be no more complaints.

1.4 Scope

USW consists of four modules that will incorporate into a single system which would be related dynamically to each other. The modules include the following:

- **Filtering system**

For the ease of qualification check by the candidate that have an interested in joining this force, they will be able to check their qualification by filling up the qualification form. In the form they just fill in the weight, height and answer the given questions then the form will be submit and then next interface will show whether they qualified or not to join this force.

- **Updating profile**

The members also can view and edit their profile. The latest information will be store in database to reduce management process and make it more efficient. There is no need lot of papers and space to keep the information anymore.

- **Scheduling activities**

Administrator is able to add, delete, and update members for this website. He will also responsible in making schedule activities for members and give privilege to member to view the latest activities that has been schedule.

- **Calculating allowance**

Officer that in charge to calculate allowance need to login to ensure that only authorize person can edit the allowance detail. In this module they will enter the hour of training for all members so that the calculation of allowance will do easier.

1.5 Project Significance

Once the website is complete and running successfully, it is expected that UTeM SUKSIS organization can expect to gain the benefits which can be summarized as follow:

- To make ease the information handling to be more systematic. It starts from the information giving and the members will able to access the information easily.
- The filtering system will make the selection process be smoother for the instructor and also the administrator.
- The members will be able to communicate or voice out any suggestion effectively to the officer.
- The latest information including members' profile, activities allowance will always be up to date.
- Calculating allowance will be easier for officer in charge and there will be no complaint from members if they get less allowance for respective month.

1.6 Expected Output

In the end of the proposed website, it is anticipated that the features and functions that proposed will offer is as follow:

- Filtering system will display whether students are qualified or not to join this uniformed force after they fill in the qualification form.
- Members can view and edit their profile and the latest information will be update in database. Member can also view latest schedule and their allowance for respective month.
- Administrator can add, delete, and update members' information and also schedule latest activities.
- Calculating system can calculate the members' allowance after the officer enters their attendance and amount of allowance per month.

1.7 Conclusion

The aim of this development of website, UTeM SUKSIS will be exposed to students and also make the management system of SUKSIS organization more proper. Other than that, this system will be a medium for SUKSIS community to interact with each other and also with the upper management.

Once the scopes and objectives of USW are identified, this will bring to the next activity which in literature review and project methodology that will be discussed in detail in next chapter.