

**BORANG PENGESAHAN STATUS TESIS^**

JUDUL: **FTMK E-GUESTBOOK SYSTEM**

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^ Tesis dimaksudkan sebagai Laporan Projek Sarjana Muda (PSM)

FTMK E-GUESTBOOK SYSTEM

ZULIANI BINTI AHMAD

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

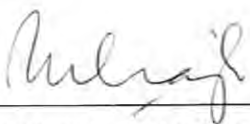
FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA  
2006

## DECLARATION

I hereby declare that this project report entitled  
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is written by me and is my own effort and that no part has been plagiarized  
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## **DEDICATION**

To my beloved parents, En. Ahmad bin Abdullah and Pn. Melah binti Salleh that always cares and concern about me, my whole family that always there for me, my supportive supervisor, Prof. Madya Norhaziah binti Md Salleh that always support and guide me, and all my friends. Thank you.

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And lastly, I would like to thank all that are involved directly or indirectly with my PSM. Thank you.

## ABSTRACT

FTMK e-Guestbook System is a web based application in a stand alone environment. This system consists of processes which include recording of guest information visiting of FTMK and also recording the FTMK staff information for easy guest searching staff information. Besides that, this system has the ability to store guest's photo and digital signature with the guest's personal information. Currently, FTMK does not have any computerized system to manage the guest information. But the faculty receives formal letter from the guests before their visits FTMK. All formal letters received are kept in filing system. FTMK uses a manual system to manage guest information search as recording data and searching the guest information. It is therefore difficult for FTMK to manage guest information. It is also difficult to compile guest statistic. Thus the need for a systematic and effective method to manage data is developed in the form of e-Guestbook system. This system used SDLC as methodology. The waterfall model is used in the development of entire system while DBLC is used for the database development.

## ABSTRAK

FTMK e-Guestbook System ialah aplikasi web dalam menggunakan persekitaran *stand alone*. Sistem ini melibatkan proses untuk merekod maklumat pelawat yang datang ke FTMK dan juga penyimpanan maklumat staf FTMK bagi memudahkan pelawat membuat carian maklumat staf. Selain itu, sistem ini berkebolehan untuk menyimpan gambar dan tandatangan digital dengan maklumat peribadi pelawat. Pada masa ini, FTMK tidak mempunyai sistem pengkomputeran untuk mengurus maklumat pelawat yang datang ke FTMK. Tetapi fakulti menerima surat rasmi daripada pelawat tersebut sebelum mereka melawat FTMK. Semua surat di simpan menggunakan sistem penfailan. FTMK menggunakan sistem manual untuk mengurus maklumat pelawat dalam penyimpanan data dan carian maklumat pelawat. Ini akan meyakinkan FTMK untuk mengurus maklumat pelawat. Masalah yang timbul juga sukar untuk membuat statistik pelawat. Dengan ini memerlukan kaedah yang sistematik dan efektif dalam mengurus data untuk membangunkan sistem buku pelawat elektronik di organisasi ini. Sistem ini menggunakan SDLC sebagai metodologi. Dimana menggunakan waterfall model dalam membangunkan keseluruhan sistem dan menggunakan DBLC untuk pembangunan pangkalan data.

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## LIST OF ABBREVIATIONS

<b>TERMS</b>	<b>EXPLANATION</b>
DBLC	Database Lifecycle
DBMS	Database Management System
DFD	Data Flow Diagram
ERD	Entity Relationship Diagram
FCE	Faculty of Civil Engineering
FTMK	Faculty of Information and Communication Technology
IS	Information System
KUTKM	Kolej Universiti Teknikal Kebangsaan Malaysia
MMU	Multimedia Universiti
PC	Personal Computer
PC	Pernas College
PHP	Hypertext Preprocessor
PSM	Project Sarjana Muda
SDLC	System Development Life Cycle
TC	Telekom College
UM	Universiti Malaya
USM	Universiti Sains Malaysia
UUM	Universiti Utara Malalaysia

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<b>APPENDIX</b>	<b>TITLE</b>
A	Gantt Chart
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## **CHAPTER 1**

### **INTRODUCTION**

The FTMK e-Guestbook System focuses on the design and development of a web based application. This system is developed for the guests to the Faculty of Information and Communication Technology (FTMK) at Kolej Universiti Teknikal Kebangsaan Malaysia (KUTKM).

Guests to FTMK have welcome with a greeting by the computer. Guests will be able to sign into the digital guest book using BizTablet. The guest's image will be captured into the system. Other information that stored includes the guest's name, address/organization, contact number, email address, and other information as required by the faculty.

#### **1.1 Project Background**

The system will be specifically developed for the use of guests who visit FTMK. The system will be helpful in handling the recording of guests. This system will also capture guest's photo and saved to the database. Besides that, this system involves several processes such as recording guest information and ability to store guest's photo with the guest's personal information.

One of the benefits of this system is that it makes the records process more systematic. The process of recording information is going to be easier and faster. The process of accessing the data is going to be easier since the data are stored in a proper way. Another benefit of the system to the guest is that it helps the guest in updating the data.

## **1.2 Problem Statements**

The faculty currently does not have any guestbook for recording guest information. Guest information is necessary for future communication and search purposes.

The system is developed to overcome the security problem. Currently, a guest to FTMK has no record. Therefore, FTMK cannot track the guest and do not have any record on its guests.

Besides that, sometimes guests to FTMK do not know the location of the person they want to meet. Using the system, a user can search and check the location of the person that they have to meet according to the person's name.

FTMK does not have any statistic of guests to FTMK. Therefore, it is hard to view the summary of guests to FTMK.

### 1.3 Objectives

The objectives of the system are listed below:

- 1.3.1 Store information of guests to the faculty.
- 1.3.2 Able to store guest's digital signature and photo with the guest's personal information.
- 1.3.3 Statistics on the number of guests received by the faculty and the number of times visited.
- 1.3.4 Queries on visits and guests.
- 1.3.5 To give an effective guestbook system.

### 1.4 Scope

The FTMK e-Guestbook System involves recording guest's information such as the guest name, address/organization, contact number, email address and other suitable information as required by the faculty. Besides that, guests will be able to sign into the digital guestbook using a BizTablet. The guest's image will be captured into the system. Statistics are also generated and included in the new system to-be. The statistics that are going to be generated are such as the statistic of the guest purpose, field and total of the guest by year and month.

## 1.5 Project Significance

The system has helpful in handling the recording of guests. All the data of the daily operations are going to be stored in the system.

Using the system, all the guest information has been systematically recorded for future use. A user can search information of the person that they have to meet according to the person's name.

Because of all the guest information is recorded, it is easy for FTMK to make the statistic of guest that visits FTMK.

## 1.6 Conclusion

The main purpose of developing the system is to help in handling the recording of guests for FTMK. This system make the recording process more systematic and effective.

This chapter explains directly about the system. The explanation of problem statements shows the current problems to overcome in the proposed system. System scope expounds each features and functions of the system. Through project significance, the advantages of the system are explained. The next step is to perform a literature review and project methodology for the system to be developed. By the research the frailty can be compared to perform a system that fulfills the current system constraints.

## **CHAPTER II**

### **LITERATURE REVIEW AND PROJECT METHODOLOGY**

#### **2.1 Introduction**

This chapter describes the fact and finding, project methodology, project requirements and project schedule and milestones based on the system that going to be the developed.

Literature review is based on the current situations and current systems so that comparison can be made to identify user and system requirements. The fact and finding is a way to collect such as information in this system. It is being analyzed by identifying what are the objectives and the current situation and the available resources.

#### **2.2 Fact and finding**

This section discusses about the research area that have been done for this project. The research area includes the entire information that is related on the project proposed which focused on the research of guestbook. Below are a few researches that have been made on the similar guestbook systems:

a) Universiti Sains Malaysia (USM)

The main objective of this Faculty of Civil Engineering (FCE) is to train graduates in Civil Engineering who are competent, creative and dedicated to their profession and able to meet the demand for Civil Engineers in both the government agencies and private sectors. The Civil Engineering USM Homepage Guestbook is under construction that means currently, FCE use manual system in managing the guest book.

b) Multimedia Universiti (MMU)

There is considerable research and development activity in e-Learning in MMU. All MMU academic and research staff are welcome to register at the site. Guests are always welcome. Guest can visit the site often to keep up-to-date on developments on the largest and most dynamic growth area in education. The guestbook was developed using a web based application and for the use of the MMU student and public.

c) Universiti Malaya (UM)

This site not only will give students access on about all the events and recent happenings on Telekom College (TC) in the UM, but it also will be the trademark of the college. More over, this site puts the TC on the same row as other great organization which they also expose themselves online and can be seen from all over the world. This web site is to show the world the TC identity. The TC website guest book is an online application and has the functions of add and update function, upload picture and display total of record.