

E-FICT INFORMATION SYSTEM BASED ON WEB AND SMS

CHUA JOE SHING

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

BORANG PENGESAHAN STATUS TESIS*

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(TANDATANGAN PENULIS)

Alamat tetap : 27, Jln Nilam 7,
85100 Segamat, Johor.

Tarikh : _____



(TANDATANGAN PENYELIA)

NOR AZMAN BIN MAT ARIFF

Nama Penyelia

Tarikh : 30/6/2010

CATATAN: *Tesis dimaksudkan sebagai Laporan Akhir Projek Sarjana Muda (PSM)

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E-FICT INFORMATION SYSTEM BASED ON WEB AND SMS

CHUA JOE SHING

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

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

2010

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 without citations.

STUDENT : _____ Date: _____
(CHUA JOE SHING)

SUPERVISOR : _____ Date: _____
(MR. NOR AZMAN B. MAT ARIFF)

DEDICATION

To my beloved parents, Mr. Chua Kim Tian and Mrs. Lan Kwee Fong, for their
· seems less expression of love and fully support...

To my supervisor, Mr. Nor Azman b. Mat Ariff, for making it all worthwhile...

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ABSTRACT

The E-FICT Information System based on Web and SMS is an e-learning system with SMS notification system. The purpose of the project is more towards on the SMS notification system that generates the notification once the lecturer post an announcement, upload a document files, or create a new assignment. For overall, this system is using Internet technology as a main communicator to generate the learning and notification process. The system that will be developed will help all users whether the administrator, lecturer or student of FICT, UTeM to do their task. The goal of the project is to develop a successful and effective e-learning system. Basically the system comprises of three modules which is user account, course list and messages. System Development Life Cycle (SDLC) has been chosen as a methodology for this project and will be implemented along the system development process using the Apache Server as a server and MySQL as database management system. This document will introduce the project in detail, starting from the system overview, analysis, design, implementation, testing and evaluation.

ABSTRAK

E-FICT Information System based on Web and SMS adalah sistem belajar melalui internet dengan sistem pemberitahuan SMS. Tujuan dari projek ini adalah lebih ke arah dalam sistem pemberitahuan SMS yang menghasilkan notis selepas profesor memberi pengumuman, memuat naik fail dokumen, atau memberi tugas baru. Untuk keseluruhan, sistem ini menggunakan teknologi internet sebagai alat komunikasi utama untuk menghasilkan proses belajar dan member notis. Sistem yang akan dibangunkan akan membantu semua pengguna, termasuk pentadbir, pensyarah atau pelajar dari FICT, UTeM untuk melakukan tugas mereka. Tujuan dari projek ini adalah untuk membina sebuah sistem belajar melalui internet yang berjaya dan berkesan. Pada dasarnya, sistem terdiri daripada tiga modul iaitu akaun pengguna, senarai kursus dan mesej. *System Development Life Cycle (SDLC)* telah dipilih sebagai metodologi untuk projek ini dan akan dilaksanakan di sepanjang proses pembangunan sistem dengan menggunakan pelayan Apache sebagai pelayan web dan MySQL sebagai sistem pengurusan pangkalan data. Dokumen ini akan memperkenalkan projek secara terperinci, bermula daripada tinjauan sistem, analisis, mereka bentuk, pelaksanaan, ujian dan penilaian.

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LIST OF ABBREVIATION

NO	ABBREVIATION	NAME
1	UTeM	- University Technical Malaysia Malacca
2	FICT	- Faculty of Information and Communication Technology
3	E-FTMK	- <i>E-Fakulti Teknologi Maklumat dan Komunikasi</i>
4	SMS	- Short Message Service
5	E-FICT	- <i>E-Faculty of Information and Communication Technology</i>
6	TEL	- Technology-Enhanced Learning
7	VLE	- Virtual Learning Environment
8	CSCCL	- Computer Supported Collaborative Learning
9	VICES	- Virtual Instructional Classroom Environment in Science
10	REST	- Research, Education, Service & Teaching
11	ICT	- Information Communication Technology
12	UNITAR	- University Tun Abdul Razak
13	OUM	- Open University Malaysia
14	ODL	- Open and Distance Learning
15	SPeL	- <i>Sistem Pengurusan e-Learning</i>
16	PSM	- <i>Projek Sarjana Muda</i>
17	KUTKM	- Kolej Universiti Teknikal Kebangsaan Malaysia

18	GSM	- Global System for Mobile Communications
19	SIM	- Subscriber Identity Module
20	USB	- Universal Serial Bus
21	HTML	- HyperText Markup Language
22	TXT-2-LRN	- Text-to-Learn
23	UTHM	- Universiti Tun Hussein Onn Malaysia
24	API	- Application Programming Interface
25	GUI	- Graphical User Interface
26	PHP	- Hypertext Preprocessor
27	ASP	- <i>Active Server Pages</i>
28	ODBC	- Open Database Connectivity
29	OSS	- Open Source Software
30	DBMS	- Database Management Software
31	RDBMS	- Relational Database Management System
32	PC	- Personal Computer
33	PCMCIA	- <i>Personal Computer Memory Card International Association</i>
34	GPRS	- <i>General Packet Radio Service</i>
35	M2M	- Machine-to-Machine
36	SE	- Standard Edition
37	OS	- Operating System
38	HSDPA	- <i>High-Speed Downlink Packet Access</i>
39	RSS	- <i>Really Simple Syndication</i>
40	FM	- <i>Frequency Modulation</i>
41	GPS	- <i>Global Positioning System</i>
42	PDU	- <i>Protocol Data Unit</i>
43	TCP/IP	- Transmission Control Protocol/Internet Protocol
44	UTP	- Application Programming Interface
45	TCP	- Graphical User Interface
46	POP3	- Hypertext Preprocessor
47	SMTP	- <i>Simple Mail Transfer Protocol</i>
48	FTP	- <i>File Transfer Protocol</i>

49	CSD	- <i>Circuit Switched Data</i>
50	ETSI	- <i>European Telecommunications Standards Institute</i>
51	DCS	- <i>Distributed Control System</i>
52	SDLC	- <i>System Development Life Cycle</i>
53	MSN	- <i>The Microsoft Network</i>
54	DFD	- <i>Data Flow Diagram</i>
55	WWW	- <i>World Wide Web</i>
56	ERD	- <i>Entity Relationship Diagram</i>
57	1NF	- <i>First Normal Form</i>
58	2NF	- <i>Second Normal Form</i>
59	3NF	- <i>Third Normal Form</i>
60	RAM	- <i>Random-access Memory</i>

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