BORANG PENGESAHAN STATUS TESIS *

JUDUL: DRUG REHABILITATION CENTER MANAGEMENT SYSTEM

SESI PENGAJIAN: 2008

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DRUG REHABILITATION CENTER MANAGEMENT SYSTEM

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

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA
2008

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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.

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DEDICATION

Specially dedicated to my beloved parents, my siblings and my family, who have encouraged, guide and inspired me throughout my journey of education. Also I would like to dedicate this special thank to my friends and my colleagues.

Besides that, I would thank my supervisor, Cik Emaliana binti Kasmuri for guide me to complete this project.

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ABSTRACT

Drug Rehabilitation Center Management System (DRCMS) is a intranet application system for drug rehab center which covered the main process in managing the information about all the trainees in the center. This system has the ability to keep track all the trainee's activities and treatments while they are in the center and also provides a function to keep track all the interviews requests by the relatives. In addition, this system also will generate a report to display the list of trainees to be released on any given duration. This project intends to computerize the drug rehab center management system in order to improve the record management efficiency due to the grown size of records of data.

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ABSTRAK

Drug Rehabilitation Center Management System (DRCMS) ialah satu sistem aplikasi *intranet* untuk pusat serenti yang merangkumi proses dalam menguruskan maklumat berkaitan dengan semua pelatih di dalam pusat. Sistem ini mempunyai kebolehan untuk menjejaki semua aktiviti pelatih dan rawatan semasa pelatih berada di dalam pusat serenti. Selain itu juga, system ini mempunyai kebolehan dalam menjejaki pelawat yang datang untuk melawat pelatih. Sebagai tambahan, system ini juga akan menghasilkan laporan untuk memaparkan senarai pelatih yang akan dibebaskan mengikut tempoh masa tertentu. Projek ini juga akan menyediakan satu system berkomputer untuk system pengurusan pusat serenti sebagai satu cara untuk memperbaiki sistem penyimpanan data yang sedia ada disebabkan oleh penambahan jumlah data.

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LIST OF ABBREAVIATIONS

PSM	-	Projek Sarjana Muda
UTeM	-	Universiti Teknikal Malaysia Melaka
FTMK	-	Fakulti Teknologi Maklumat dan Komuikasi
DRCMS	-	Drug Rehabilitation Center Management System
SDLC	-	Software Development Life Cycle
DBLC	-	Database Life Cycle
LOV	-	List of Values
PC	-	Personal Computer
CD	-	Compact Disc
DVD	-	Digital Video Disc

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CHAPTER 1

INTRODUCTION

1.1 Project Background

The system that is going to be developed is Drug Rehabilitation Center Management System (DRCMS).This is a intranet application system for drug rehab center which covered the main process in managing the information about all the trainees in the center. This system has the ability to keep track all the trainee's activities and treatments while they are in the center and also provides a function to keep track all the interviews requests by the relatives. In addition, this system also will generate a report to display the list of trainees to be released on any given duration.

This project intends to computerize the drug rehab center management system in order to improve the record management efficiency due to the grown size of records of data.

1.2 Problem Statements

DRCMS is developed to replace the previous system that is traditional filing system and also to reduce the problem that have been faced by the system's user. There are some problems that have been captured and identified such as:

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1.2.1 Non Systematic Management

In the current system, all the trainee's records are kept using traditional filing system. All the records are stored using papers and recorded using handwritten. Therefore, the old records are difficult to read and also difficult to retrieve.

1.2.2 Insecure Data

With traditional filing system, there is no file control of accessibility so the data can be easily misplace and missing. Besides that, wrong information also can be recorded because of no input control.

1.2.3 Time Usability

The manual system always takes longer time to search for the old records or generate the monthly reports. Besides, it also takes a long time to arrange all the documents by using man power.

1.2.4 Difficulty to track trainee's activity and treatment.

With traditional filing system, it is difficult to keep track on trainee's activity and treatment.

1.2.5 No database administrator (DBA) facility

The current system that being use in the rehab center is traditional filing system, therefore there is no DBA facility to maintain the database.

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1.3 Objective

After the problems statements are being identified, the objectives of this system are to develop a computerized system to:

1.3.1 Make a Systematic Management

This system is computerized. This kind of management is systematic because it can reduce a man powers either in arrangement and data storage. This system also can make the old records easy to read and retrieve.

1.3.2 Make a Data Secure

The DRCMS keeps all the data in the database that can be accessed by administrator and user and can be modified by user only. The redundant and wrong records also can be reduce because of the input control that will provide in the system.

1.3.3 Save Time

With this computerized system, the searching and generate report process can be done with minimum time because the data will automatically save in the database.

1.3.4 Easily keep track of trainee's activity and treatment

This system also will provide a function to make the tracking process of the trainee's activity and treatment easy.

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1.3.5 Facility for database administrator (DBA)

This system will provide a DBA facility with a more-user friendly interface for maintain the database.

1.4 Scope

The scope consists of two components which are target user and functions/modules.

1.4.1 Target user

The group of user that had been identifies to use this system are Administrator, and clerk at the rehab center

i. Administrator

The administrator is a person in-charge in controlling the entire system. This user is able to do the maintenance of the application and also the database.

ii. Clerks.

This user will keep all the data about the trainees and also the visitor. This user also can make the process of tracking the trainee's activity and treatment. Besides that, this user also can generate a report based on administrator's requirements.

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1.4.2 Functions/Modules

Regarding to the module that has been identified, the detail of the module is described as following:

i) Login Module

This module will validate the user id and password of the valid management staff. This module will ensure that only management staff with valid user id and password can entered to the system.

ii) Trainee Registration Module

This module will capture all the details of the trainees when they are registered to the center.

iii) Activity Tracking Module

This module will record and track all the trainee's activities while they are in the center.

iv) Treatment Tracking Module

This module will record and track all the data about the treatments that the trainees have received while in the center.

v) Visitor Module

This module will record all the interviews requests by the relatives. All the data about the visitor will keep in the database.

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vi) Generate report

This module will generate a record based on administrator's requirements such as a report to display the list of trainees to be released on any given duration of time.

1.5 Project Significance

Project significant shows the benefit to the user while using this system. The target users of this system are the clerk and admin of the rehab center. This system is a computerized system.

In this system, all the data and record are stored in the database that can support a lot of data. It can help the users to organize the rehab center management. The users also can save a lot of time while using this system because all the transaction are controlled computerizing such as searching and tracking the trainee's activity and treatment. Besides that, the users also can manage the data about the visitor who comes to visit the trainee. Furthermore, the admin also can easily maintain the database by using a user friendly interface.

1.6 Expected Output

The expected output from this project is a computerized system which the application can kept all the data about the trainees, keep track all the trainee's activity and treatment and also make a user friendly interface for the DBA. Besides that, this system also will be able to produce a reports based on admin requirements. Furthermore, for the DBA sides, this system will provide interfaces for backup and recovery and others function.

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1.7 Conclusion

The system will be developed using the intranet. This chapter described each problem occurred by using the current system. Project objective and project scope had been identified as a way to solve the problem. Project significance is also being explains to convince benefits that can be gathered from the system. This system hopefully can overcome the problem in the conventional system.

After completing this chapter, the next chapter will be discussing the literature review and project methodology. The Chapter 2 consists of introduction, fact and finding, domain about the related system, existing system, the methodology used to develop this project, project requirements including software, hardware and others requirement will be used in the project development, project schedule and milestones regarding the planning of the whole development project and conclusion.

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