

UNIVERSITI TEKNOLOGI MARA

FACULTY OF INFORMATION TECHNOLOGY AND
QUANTITATIVE SCIENCES

SIMULATION:
AUTHENTICATION SYSTEM FOR TRACKING STAFF
AND DOCUMENT IN SECURITY ROOM

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B. Sc (HONS) DATA COMMUNICATION AND NETWORKING

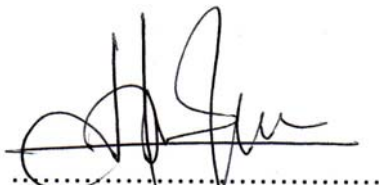
SIMULATION: AUTHENTICATION SYSTEM FOR TRACKING
STAFF AND DOCUMENT IN SECURITY ROOM

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ABSTRACT

Security room is a confidential place to keep confidential document. All documents in there are very secret and confidential. Security room needs a security system or devices to monitor everything go on. Security room at FTMSK does not have any security level to secure the room. Therefore we develop an Authentication System for Tracking Staff and Document in Security Room that use magnetic card and 4 unique numbers as the security. User must have the magnetic card and remember the 4 unique numbers to enter the security room. An encrypted unique number is used in this final project for security purpose. User has to swipe or touch the magnetic card to the reader and key in 4 pin numbers. User identification number is program in the magnetic card while the 4 unique numbers, user must memorize if user want to enter the room or to take the document. Database examines the 4 unique numbers and if allowed, user can enter the room or open the drawer where the document is placed. By using this system, administrator manages to analyzed user's activities by screening last date accessed, staff identification, time, area of access and status of access. Area of access is either door during enter and exit or drawer during taking the confidential document. Administrator can also track document by viewing logs by identifying the staff identification. In conclusion, Authentication System for Tracking Staff and Document in Security Room provides features to administrator to investigate and analyzed the users' behaviors and activities.

TABLE OF CONTENTS

DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
LIST OF FIGURES	viii
LIST OF TABLES	ix
1.0 INTRODUCTION	1
1.1 Introduction	1
1.2 Problem Statement	2
1.3 Project Objective	2
1.4 Project Scope	3
1.5 Project Significant	3
1.6 Conclusion	4
2.0 LITERATURE REVIEW	5
2.1 Introduction	5
2.2 Project Overview	5
2.3 Literature Review of Authentication System	5
2.4 Literature Review of Card Technology	6
2.4.1 Magnetic Stripe Card	6
2.4.2 Smart Card	7
2.4.2.1 Integrated Circuit (IC) Microprocessor Cards	7
2.4.2.2 Integrated Circuit (IC) Memory Card	8
2.4.2.3 Optical Memory Cards	8
2.5 Magnetic Card Reader	9
2.5.1.1 Smart Standalone Access Controller	9
2.5.1.2 Smart PC On-line Access Controller	11
2.6 Different Approaches to Solve the Similar Problem	13
2.6.1 A Prototype for Intrusion Detection System in Intelligent Building Cyberjaya	13
2.6.2 Smartcard- An Alternative to Password Authentication	13
2.7 The Similarity between Our Project and Those Above	13
2.8 The Differences between Our Project and Those Above	13

2.9 Conclusion	14
3.0 METHODOLOGY	15
3.1 Introduction	15
3.2 Preliminary Study	16
3.2.1 Determine Problem	16
3.2.2 Define objective, scope and significance	16
3.2.3 Requirements of Hardware and Software	16
3.3 System Analysis	16
3.3.1 Primary Data	17
3.3.1.1 Observation	17
3.3.1.2 Interview	17
3.3.2 Secondary Data	18
3.4 System Design	18
3.4.1 Systems Flows	18
3.5 System Implementation	20
3.6 Integration and Testing	20
3.7 Installation and Deployment	20
3.8 Maintenance	21
3.9 Conclusion	21
3.10 Project’s schedule	21
4.0 SYSTEM OVERVIEW AND ARCHITECTURE	23
4.1 Introduction	23
4.2 User Model	23
4.2.1 Context Diagram	23
4.3 Development	24
4.3.1 Database	24
4.3.2 Source Code	26
4.3.3 Source Code Page	26
4.3.3.1 Reader	26
4.3.3.2 Logs	32
4.4 Conclusion	35
5.0 RESULTS AND FINDINGS	36
5.1 Introduction	36
5.2 Logs	36