

Universiti Teknologi MARA

**Development of Decision Support System
Prototype for Promotion in Service Corp
Malaysian Army Human Resources
Management using Simulation Model**

Hishamudin bin A.Rahim

Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Information Technology
Faculty of Information Technology And
Quantitative Science

May 2006

**DEVELOPMENT OF DECISION SUPPORT SYSTEM
PROTOTYPE FOR PROMOTION IN SERVICE CORP
MALAYSIAN ARMY HUMAN RESOURCES
MANAGEMENT USING SIMULATION MODEL**

By

HISHAMUDIN BIN A.RAHIM

2003637909

A project paper submitted to
FACULTY OF INFORMATION TECHNOLOGY AND QUANTITATIVE SCIENCE
UNIVERSITY TECHNOLOGY MARA

In partial fulfillment of the requirement for the
BACHELOR OF SCIENCE (HONS) IN INFORMATION TECHNOLOGY

Major area: Intelligent System

Approved by the examining committee:

.....
Prof. Madya Zaidah Ibrahim

.....
Project Supervisor

.....
Examiner

UNIVERSITY TECHNOLOGY MARA
SHAH ALAM, SELANGOR
MAY 2006

DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

MAY 31, 2006

HISHAMUDIN BIN A.RAHIM
2003637909

ACKNOWLEDGEMENT

In the name of ALLAH, who is the Most Gracious, Most Merciful and HIM alone is worthy of all praise. To HIM all the praise go and to HIM all the thankfulness of giving me the opportunity to live day in and day out.

A million thanks to my supervisor, Prof. Madya Zaidah Ibrahim who has given all the supports, guides in giving remarkable ideas as well as reviewing my draft reports and have put such a constructive suggestion and comments for a better improvement. In inclusion to that list is Puan Marina Yusoff that throughout the semester never seem tired giving valuable advice to help improve the project.

My deepest gratitude and love go to my wife Noriah, my kids Amanina, Aina and Amira for their unconditional love that make everything possible. My earnest thanks to all the helpful people that I have not mentioned here. Thank you for contributing directly and indirectly to the success of my thesis. With all the support, I gain more than just final thesis report but also the inspiration of a lifetime.

ABSTRACT

Currently the system that caters for officer's promotion rank Leftenan to Kapten, Kapten to Mejar and Mejar to Leftenan Kolonel at Service Corp Directorate Human Resource Department is done by Merit System using Microsoft Excel. These Merit System is not a suitable tool because the decision makers who only have access to a generic decision tool would be difficult to make decision in order to analyze and recommend an action. This Decision Support System (DSS) Promotion System is built to select the officer's in Service Corp Malaysian Army who are qualified for promotion. The target users of this system are staff career department, Director of Service Corp and promotion board. This system is mainly focusing the development of DSS promotion in entering, updating data and selection the qualified officer's to promote rank. The DSS also focused on several criteria and weightage in order to produced the result. This system is developed using MS Visual Basic and MS Access is used as its database. This system has been successfully tested using the current data. It shows that this promotion system is able to produce the result and report for the decision makers to analyze and make decision accurately. Hopefully this system will aid the users for selection the qualified officer in promotion process.