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Universiti Teknologi MARA

Advisory System for Program Selection in FTMSK

Nordaliela Binti Mohd Rusli

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

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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 acknowledge in accordance with the standard referring practices of the discipline.

APRIL 2005



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NORDALIELA MOHD RUSLI

2002610092

APPROVAL

**ADVISORY SYSTEM FOR PROGRAM SELECTION
IN FTMSK**

BY

NORDALIELA MOHD RUSLI

This thesis was prepared under the direction of thesis advisor, En Mohd Zaki Bin Zakaria. It was submitted to the Faculty of Information Technology and Quantitative Science and was accepted in partial fulfillment of the requirements for the degree of Bachelor of Science

Approved by:

APRIL 2005

EN. MOHD ZAKI ZAKARIA

Thesis Supervisor

ABSTRACT

There were cases where students changed to other program after a semester he or she registered to it. Most of the cases occur when a student could not perform well in the present program they registered to. They hardly understand the courses offered in the program and hardly cope-up with them. This is because they do not have the interest to gain knowledge about the course, the area of which is not their preferable area. Some programs acquire their students to be skillful.

Thus, this system is to implement the rule obtained from the study of students' educational background, interests and abilities in the development of Advisory System for Program Selection in FTMSK. The prototype is a rule – based system, developed to serve as a program recommender for future undergraduate students in FTMSK.

Methods used in the development of this project consist of gathering data from students of Information Technology Department program. The data obtained then, were analyzed using SPSS 12.0, a sophisticated software used by social scientists and related professionals for statistical analysis.

The possibility of satisfying is high as the questions and elements used to develop the questions in the system is based on *Holland's Self – Directed Search* which is also applied in the career counseling approach. Furthermore, the samples or responder are the present students in FTMSK. Thus, this will enable the system to give the best recommendation to the users.

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