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**FTMSK Invigilation Timetabling System
(FITS)**

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

1 April 2005

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

April 1, 2005

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ACKNOWLEDGEMENT

The accomplishment of this work is not possible without the help of the people around me. I thank everyone who I came across and worked with during my degree's study in UiTM.

I am grateful to Puan Zarina Zainol for giving me the opportunity to do a project under her supervision. From her, I learned the importance of developing a system. It was a privilege to learn a lot of lessons from such a good teacher.

I thank Mr Azrun who helps me working on the design and implementation of FITS system. Without his invaluable insight, this work would not exist.

Discussion and collaboration with Puan Zaidah Ibrahim as the coordinator of this program help me guide to achieve my objectives in the project. Her motivation and ideas were very useful to me.

Also thanks to Dr Nordin Abu Bakar and Puan Siti Hajar who give me cooperation during interview sessions. A lot of knowledge and input was obtained during the sessions.

I am grateful to my family who give me a lot of support for me to continue my project until it is completed.

Last but not least, I am very thankful to everyone who helped me directly or indirectly in completing this thesis.

ABSTRACT

In this project, a powerful problems solution of genetic algorithm method is provided to solve invigilation timetabling problems. This combines with the satisfaction constraints of hard and soft constraints to get to the optimal solutions. All these constraint will go through the evolutionary process such as reproduction, selection, and mutation to get the fitness chromosomes. The fitness chromosome is definitely the optimal solutions that later will develop the invigilation timetable. Finally, a system called FITS is presented to develop the invigilation timetable.

Table Of Content

Declaration	i
Acknowledgement	ii
Abstract	iii
CHAPTER 1 INTRODUCTION	
1.1 Background of the study	1
1.1.1 Definition of Scheduling	1
1.1.2 Invigilation Timetable	2
1.1.3 Genetic Algorithm as an Optimization for Timetabling Problems	2
1.2 Statement of the problem	3
1.2.1 Current System	3
1.3 Purpose of the study	4
1.3.1 Aim	4
1.3.2 Objectives	5
1.4 Scope of the study	5
CHAPTER 2 LITERATURE REVIEW	
2.1 Introduction	6
2.2 A Hybrid Evolutionary Algorithm for Timetabling	8
2.2.1 The Creation of an Initial Population	8
2.2.2 Crossover Operators	9
2.2.3 The Mutation Operator	11
2.2.4 Fitness Calculation and Selection	11
2.3 Constraint Programming and Simulated Annealing on Timetabling Examination	12