

**SYSTEM TO SUPPORT DECISIONS FOR THE ENHANCEMENT OF
POST GRADUATE STUDIES: ANALYTICAL SKILLS AS A FOCUS**

ANMAR A. MOHAMMED

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**SYSTEM TO SUPPORT DECISIONS FOR THE ENHANCEMENT OF
POST GRADUATE STUDIES: ANALYTICAL SKILLS AS A FOCUS**

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fulfilment of the requirement for the degree
Masters of Science (Information Technology)
Universiti Utara Malaysia**

**By
ANMAR A. MOHAMMED**



**KOLEJ SASTERA DAN SAINS
(College of Arts and Sciences)
Universiti Utara Malaysia**

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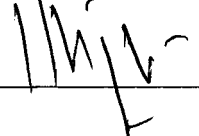
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knowledge of the field is covered by the project).

Nama Penyelia
(Name of Supervisor) : **MDM. AZIZAH HJ. AHMAD**

Tandatangan
(Signature) :  Tarikh (Date) : **AZIZAH AHMAD**
Pensyarah Kanan
Bidang Sains Gurian 10
UUM College of Arts & Sciences
Universiti Utara Malaysia

Nama Penilai
(Name of Evaluator) : **ASSOC. PROF. NAZIB NORDIN**

Tandatangan
(Signature) :  Tarikh (Date) : **17/10/10**

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Abstract

The main aim of this study is to research and improve the unsatisfactory materials that currently available for understanding and making use of student's background as a base to support decision making. This study proposed to develop an interactivity-based Decision Support System (DSS) prototype for post graduate students who are pursuing their study in Information Technology. According to the literature, the programming skill is considered an important skill in the current economy and the future knowledge economy, added that there are many graduates who does not possess skills in programming due to several factors. The prototype will assist decision makers in making decisions in regards to the current intake.

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

Since the 1990s, many development countries have embarked in constructing policies to cope with the globalization. One of the main important aspects of their policies is to assist their education centers to equip the graduates with the necessary skills to cope with the demands of the global economy. Not long ago the Post Graduate studies were for small selected people from the public. However; since the last decade till now, there is a noticeable change in the number of students who are pursuing their post graduate studies. Now with the increasing number of post graduate students who are pursuing their studies such as in the case of University Utara Malaysia (UUM), the number has increased it is becoming harder to evaluate and monitor student's progress. In order for educational institutes to maintain their vision and mission there has to be continuous improvements to their system. Some improvements are short term and some are long term.

Computer related graduates have been in demand in the era of Information technology economy and will be even in a higher demand in the future knowledge based economy. Many skills are required in the economy; in computer related the soft skills, programming skills and technical knowledge are a very indispensable in the current and future economy. Computer programming skills constitute one of the core competencies that graduates from many disciplines, such as engineering and computer science, are expected to possess (Kris, Lee, & Yu, 2010).

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