

Universiti Teknologi MARA

**COMPUTER SCIENCES STUDENT
COMPETENCY SYSTEM (CSSCS) FOR
DATA COMMUNICATION AND
NETWORKING (CS225)**

Syuhada binti Jaafar

**Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Information Technology
Faculty of Computer and Mathematical Sciences**

July 2013

ACKNOWLEDGEMENT

Alhamdulillah in the name of Allah, The most Gracious and the most Merciful, as definitely that I have been given the strength and opportunity to complete this thesis project, as to fulfilled the requirement of the Bachelor of Science (Hons) Information Technology, for Faculty of Computer and Mathematical Sciences, Universiti Teknologi MARA (UiTM) Shah Alam. There were many challenges that I have to face upon finishing this project, but the blessing from Him, had given me strength and patience to successfully accomplish this project.

I would like to express by sincere gratitude to all the people who have assisted me during the journey of completing my thesis. First and foremost, I would like to thank my supervisor, En Mohd Shukor bin Abd Rahman who has given me guidance and patience, for his motivation, advice, ideas and critics during the process from the preparation and completion of this thesis project. Secondly, to my beloved family for their encouragement and moral support give to me in the preparation for this thesis.

Here, I would like also to express my greatest gratitude and appreciation to those who were directly and indirectly involved in making this thesis a success, without them, it would not be as easy journey for me. Last but not least, to my entire dear friend for their cooperation, moral support and encouragement until the completion of this thesis.

May Allah S.W.T grant you goodness. Amin.

Thank You.

ABSTRACT

This project of Computer Sciences Student Competency System (CSSCS) has the objectives to identify the technical skills needed by industry for Data Communication and Networking (CS225) graduates based on the job opportunities, to identify the user requirements for student competency system, to design a system that can map the industry needs and university supplies and lastly to develop a system that can map the industry needs and university supplies. The scope of this project is that it will be concentrated on the Computer Sciences program in Faculty of Computer and Mathematical Sciences in UiTM Shah Alam. The methodology that will be used in the system is Rapid Application Development (RAD) methodology because it is the methodology that appropriate with the project. The analysis and findings of the project including the literature review analysis based on the topics that relate to the project, the interview to determine the user requirements of the client for the system and also the questionnaire about the development of the project. This project is developing to ease the evaluation of the student by the evaluator and supervisor.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR’S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	x
LIST OF TABLES	xiii
 CHAPTER ONE: INTRODUCTION	
1.0 Introduction	1
1.1 General Background	1
1.2 Problem Statement	4
1.3 Project Aim	5
1.4 Research Questions	6
1.5 Research Objectives	6
1.6 Scope of Project	6
1.7 Stakeholders	7
1.7.1 Supervisor	7
1.7.2 Developer’s Team	7
1.7.3 Customer (HEIGIP)	8
1.7.4 UiTM Students	8
1.7.5 Evaluator	9
1.8 Significance of Project	9
1.8.1 Computer Sciences Student	9
1.8.2 Supervisor or Evaluator	9
1.8.3 GEm	10

CHAPTER 1

INTRODUCTION

1.0 Introduction

In this chapter 1, it will discussed about the background of the project, the problem that relate to the existence of this project, the project aim that need to be achieved and also the objectives that need to be completed along with the scope of the project that need to be covered and lastly about the significant of this system.

All the discussion about the system is the details that relate to the system. It will give the overview of the project that will be developed.

1.1 General Background

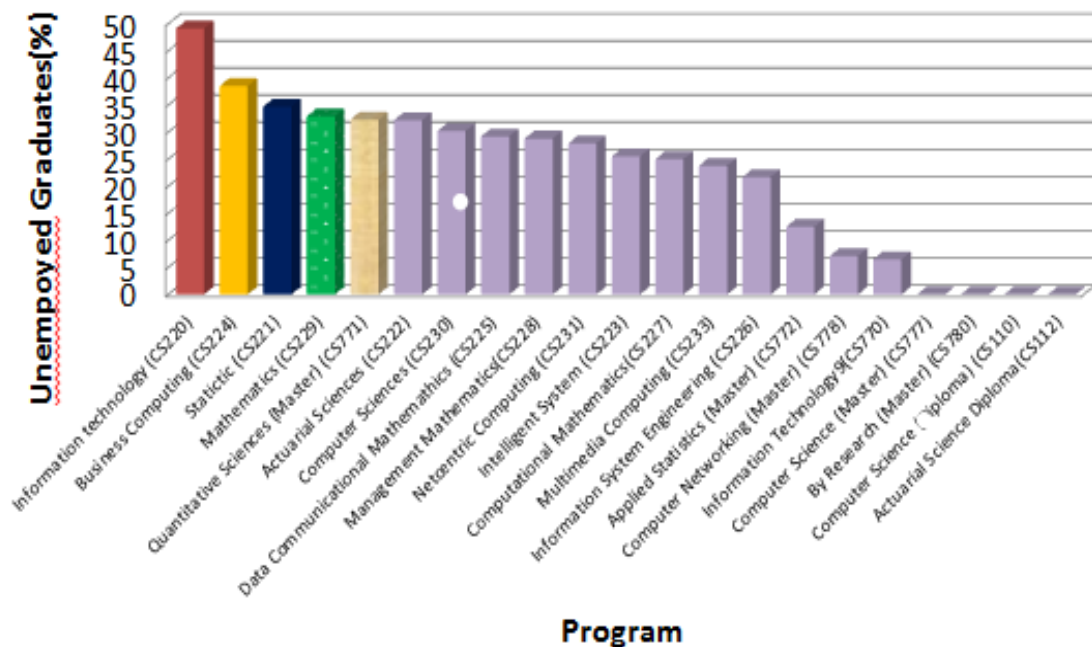


Figure 1.0: Status of Unemployed Graduates FSKM (UiTM Shah Alam) 2011