

**Universiti Teknologi MARA**

**Computer Science Student  
Competency System (CSSCS) for  
Computer Science Program  
(CS230)**

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

**July 2013**

## **ACKNOWLEDGEMENT**

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given in order to fulfill the requirement of the Bachelor of Science (Hons) Information Technology, for the Faculty of Computer and Mathematical Sciences, in UiTM Shah Alam. Although there are so many challenges that faced by me upon completing this project, but with blessing of Allah, Him gives me strength and patience to completed this research

Firstly, I want to express my gratitude to all of the people who assisted me and my team members during the wonderful journey in completing my research. My special thanks go to my supervisor, En Mohd Shukor Bin Abd Rahman that willing to be my supervisor and always give me guidance from his motivation, helping me during the research by sharing his knowledge, critics from the preparation if this project until finish.

I also want to give my special appreciation to my second supervisor, En Abdul Hamid@Hamid Othman that also willing to give guidance for me and my team members in order to make sure the project run smoothly.

Special appreciation also goes to my beloved parents, En Yaccob Bin Yahya and that always give me courage to complete this research. Last but not least, I would like to give my gratitude to my team members that fighting with me in order to complete the research from the beginning till end of the research. And also my dearest friends for their corporation during the research for the moral support to complete this research

May Allah S.W.T grant goodness. Amin  
Thank You

## **ABSTRACT**

This project is about the evaluation and matching of student competency with the industry requirements. The project is also about closing the gap between the industry demands and the university supplies of graduates. The system will provide information regarding the current industry skill requirement and job prospect. The system will also provide a guide for student to pursue their career of choice. The system will be developed using Ruby on rails framework which is currently used in the industry. The objective of the project is identify the technical skills needs by industry for Computer Science (CS230) graduates based on job opportunities, to identify the user requirement for student competency system, to design a system that can map the industry needs and university supplies and to develop a system that can map the industry needs and university supplies. The scope of the project is the Computer Science (CS230) of Faculty of Computer and Mathematical science in UiTM Shah Alam. The system is originally developed for the High-End Industry Graduates Internships Program (HEIGIP). The analysis and finding are analyzed to accomplish the objective of the research. The methodology used to develop the system is Rapid Application Development. All the objectives were accomplished through out whole the project development process. There are some recommendations for future improvements of the system such as upgrade the existing system to a better and more functional system, implements in each university to help all the students in university, maintain the system by checking it thoroughly in every aspects of the system, add more function to the system so that it will be more useful, provide a simple User Interface so that users wouldn't have a hard time using it, always check for error in the system to prevent any major breakdown, add other evaluation criteria such soft skills, improve the evaluation standard.

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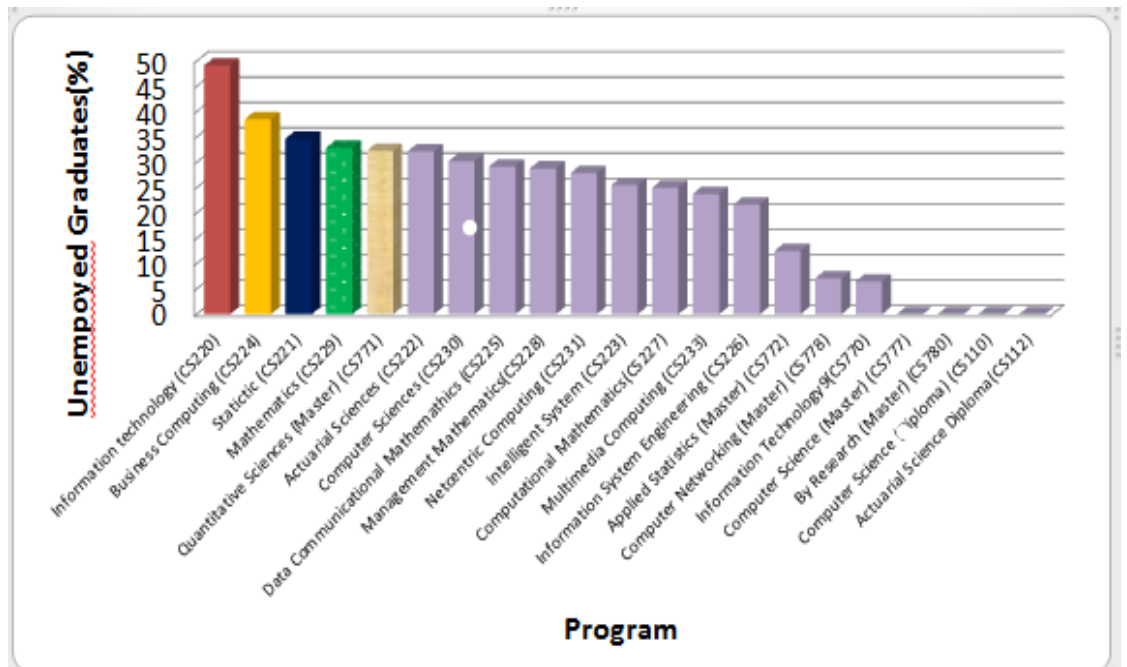
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# CHAPTER 1

## INTRODUCTION

This chapter provides details about the overview of the project including the information regarding the project subject matter. This chapters highlight on project background, problem statement, project aim, objectives, scope and significant of the system.

### 1.1 General Background



**Figure 1.1 Status of Unemployed Graduates FSKM (UiTM Shah Alam) 2011**

Figure 1.1 shows the status of unemployed Graduates in Faculty of Science Computer and Mathematics (FSKM) in 2011. It shows many graduates in Computer Science program have difficulties in getting job for about 6 month from their graduation day. For examples students from course Information