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**A design of secondary school web portal for Guanting secondary
school**

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**A Thesis submitted to the Academic Dean Office in full fulfillment of
the Requirements for the degree of Master of Science
(Information Technology)
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ABSTRACT

Information technology and information communication technology play important role in the education areas. These facilities and techniques have been applied in secondary school spread to facilitate the teaching and learning process. Hence, the motive of the researching is to apply information technology into GuanTing senior school to facilitate the learning and teaching. The rapid application development called RAD methodology is applied in this project. The RAD includes those steps: analysis, design, build and test. The framework of GuanTing secondary school portal is established by reviewed literatures, current available school portals and the key features and functions based on the previous researcher. The GuanTing secondary school is design by Microsoft visual web developer and SQL 2005 server. That is running in the asp.net environment that provides high information security across using MD5 security technique. It is very grateful if this system would provide any additional helps for the GuanTing secondary school.

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CHAPTER ONE

INTRODUCTION

1.1 Introduction

With the development of information technology, the learning process of education has change rapidly and the environment of learning also does not as same as before. Students have different learning environment that is a traditional teaching and a mixture distance teaching and learning. From this view of point, we must provide a different environment able to take into account the needs of each individual. Moreover, the new educational tools need to address this and allow user to create a multiple communities, and based on the needs of user give the users the power of introducing and assigning roles to participants (Martel & Vignollet, 2001).

With the vast development of various technologies, learning today is no longer confined to classrooms with lecture delivery as the only method of conveying knowledge, rather, an electronic means of learning has continued to evolve. Electronic learning (e-Learning), which facilitates education using communications networks, has made learning possible from anywhere at anytime using the Internet, wide area networks or local area networks (Azita et.al, 2008). Notably, e-Learning applications which have now become central to the learning process may be developed using proprietary programming tools and the process of acquiring and using them to develop large software application is not only complex but require a huge sum of money. A viable alternative is to utilize the open source software

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