

C618232 : MAJOR COMPUTER SCIENCE

KEY WORD:

SMART CARD / STUDENT'S IDENTIFICATION CARD

KEITIPHOOM CHAIRATT : DESIGN AND DEVELOPMENT OF SMART
CARD SYSTEM FOR STUDENT'S IDENTIFICATION CARD. THESIS

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The objectives of this research is to study and design the smart card to use for student's identification card of Chulalongkorn University. We consider to the requirement of using data in the student's card and the developing the smart card system program for using with student's card.

The researcher studied about the technology which use for this cards and also the requirement of using data of student from the concerning sections, i.e. Office of The Registrar, Student Affairs Devision, Academic Resource Center, Faculty of Registrar and Advisor to use for analyze and design the data which is necessary for the card. The designing system consists of 2 parts; the first part is designed pattern of smart card, the design has been done both front and back side and also basic data of student and then design for the structure of student's data in chip. The second part is to design the program to use with the student's card which has function for display student's data. the data will be shown by grouping; Personal data, Education data, Entrance data, Scholarship data, Status student, Subject register data, Student card, and Grading.

It is obvious that this research, Chulalongkorn University will get the new student's card which has ability to contain the student's data. This data can be useful for other sections, who want to use, and know immediately about the information of student from student's card which quite useful to investigate about the student status. So this card also makes the sections give the good service to student and also make the service smooth, and more efficiently in a short time.

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