

C317175 : MAJOR COMPUTER SCIENCE

KEY WORD: CHARACTER RECOGNITION/THAI CHARACTER/ENGLISH CHARACTER

NITIPAT CHADCHAVALPANICHAYA : AN ON-LINE RECOGNITION SYSTEM
FOR PRINTED THAI CHARACTERS AND PRINTED ENGLISH CHARACTERS.

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The purpose of this thesis is for computer can recognize Thai character for 3 levels and also English character. By taking the result (ASCII code) to save in the text file which can be used in any application.

This thesis provides 4 steps :

1. Contour analysis
2. Finding the important character characteristic
3. Comparison the character which recognize with original character
4. Taking the original ASCII code to save in text file.

The result of research appears that the accuracy for recognition about 90.09 % and spend the time for recognized about 10.26 seconds per 1 character.