97-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	1202 / NGR 3038
Dept.		School System / Class	1 1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	( )234 / A402-2	Language	English

Introduction

The topics of the follows are discussed in this course: Fourier transform, image file reading, Sobel operator, Searching and thinning edge operator. Finally the result of the Fourier transform is used to classify different objects.

Outline

1. Read the Image File
2. Image Histogram
3. Threshold the Image
4. (   ) The 3*3 Cross Medium Filter
5. The Sobel Operator
6. The Searching and Thinning Edge Operator
7. (Borland C++ Builder ADO Object and Database)
8. (Borland C++ Builder ADO Object and Database)
9. Midterm test
10. Fourier Transform
11. Fourier Transform
12. (quiz) Image Filter, Wavelet Transform
13. Color Image processing (Show Subtract Result)
14. Fingerprint Image Thinning
15. Control Points Finding of Fingerprint Image
16. Object Classification(Borland C++ Builder ADO Object and Database)
17. Object Classification(Borland C++ Builder ADO Object and Database)
18. Final test

Prerequisite

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