Abstract

Iris Recognition System is a process of recognizing an individual by analyzing the random pattern of iris and comparing with database. In this paper comparative analysis is perform with wavelet transform such as 2D Discrete wavelet transform (2D-DWT), Real dual tree Discrete wavelet transform (R-DT-DWT) and Complex dual tree Discrete wavelet transform (C-DT-DWT) for iris recognition. These approaches are tested on various databases. The process starts from pre-processing. In pre-processing stage the image is enhanced, segmented and normalized. Now smoothed image is taken into consideration for feature extraction using above mentioned wavelet transforms. Finally image is applied post-classifier for reducing false
rejection rate.

References


Index Terms

Computer Science

Image Processing

Keywords

Feature Extraction  Post-classifier  Pre-processing And Wavelet Transform.