

A NOVEL APPROACH FOR IRIS RECOGNITION SYSTEM BASED ON DCT FEATURES

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ABSTRACT

This paper proposes a new method for biometric identification and verification. The biomedical literature suggests that irises are as distinct as fingerprints or patterns of retinal blood vessels. Current iris recognition systems are unable to deal with noisy data and substantially increase their error rates, especially the false rejections, in these conditions. We propose an iris classification method that divides the segmented and normalized iris image into different regions, makes an independent feature extraction and comparison for each region. We have to reduce the error rate and also increase the recognition rates. Hence UBIRIS database consisting of the original images are used. Artificial images are used in the database (CASIA) which is used in the existing system for Iris recognition purpose.

KEYWORDS: DCT Matrix, Iris Recognition, Hamming Distance