Abstract

The main aim of this paper is to recognize the logos of the input document so as to process the
document for its classification and analysis, an algorithm is proposed using texture features
based on Discrete Wavelet Transform (DWT) and Fast Fourier Transform (FFT) of object
occurrence in a new tessellation of logo images and these features are given to the SVM and
KNN classifier for recognizing the logos. The proposed algorithm is experimented on a data
set of Institutional logos. The experimental results have shown the average recognition
accuracy as 67.74% using NN classifier, 79.35% using KNN classifier and
87.09% using SVM classifier. It is an initial attempt towards the classification of documents
based on logos.

References

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Identification of Institutional Logo based on Wavelet Features

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Index Terms

Computer Science  Image Processing
Identification of Institutional Logo based on Wavelet Features

**Keywords**

Wavelet Transforms - DWT  FFT  Classifiers - NN  KNN  SVM.