

OFFLINE SIGNATURE VERIFICATION USING HU'S MOMENT AND GABOR WAVELET TRANSFORM

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ABSTRACT

The signature of a person is an important biometric attribute of a human being which can be used to authenticate human identity. However human signatures can be handled as an image and recognized using computer vision and NN techniques. With modern computers, there is need to develop fast algorithms for signature recognition. There are various approaches to signature recognition with a lot of scope of research. In this report, off-line signature verification using NN is proposed, where the signature is captured and presented to the user in an image format. Signatures are verified based on parameters extracted from the signature using various transform techniques. In our project we will use Hu's moment, Radon transform and Gabor wavelet transform. By combining this transform technique we will extract more features and will get more accurate output.

KEYWORDS: Signature Verification, Human Signatures, Feature Extraction and Classification, Verification Techniques