



Signature Recognition Using MATLAB

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Abstract— Signature has been a distinguishing feature for person identification. Even today, an increasing number of transactions, especially related to financial and business are being authorized via signatures. Hence, the need to have methods of automatic signature verification must be developed if authenticity is to be verified and guaranteed successfully on a regular basis. When a large number of documents, e.g. bank cheques, have to be authenticated in a limited time, the manual verification of account holders' signatures is often unrealistic. Signature provides secure means of authentication and authorization. So, there is a need of Automatic Signature Verification and Identification systems. Handwritten signatures are different from other textual types because people usually do not use text in it; rather they draw a shape as their signature. Therefore, a different approach should be considered to process such signatures. The present research work is done in the field of offline signature recognition system by extracting some special features that make a signature difficult to forge. In this research work, existing signature recognition systems have been thoroughly studied and a model is designed to develop an offline signature recognition system.



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