STUDY AND RESEARCH ON HUMAN SIGNATURE TO DEVELOP USER SIGNATURE CAPTURE PROTOTYPE SYSTEM ON POCKET PC

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ABSTRACT

The objectives of this project are to study and research on human signature to develop user signature capture prototype system on pocket PC. This project aims to study and research on how to capture user signature and turn it into Digital Signature and how to implement it for use on other kinds of system. The prototype system would be developed using Microsoft Visual.NET, Microsoft embedded and .NET compact framework. The digital signature captures uses pattern matching method to verify if the signature is by the owner. The purpose of this project is to replace traditional signature on paper and hence, higher level of security. The project covers on areas of human signature definition and ways to determine whether the signature belongs to the owner who signed. Based on the research done, a report would be compiled to facilitate the designing and coding of an effective algorithm, which is capable of determining the authenticity of the signature. Study is undertaken to derive an algorithm based on the basic recognition methods and eventually implement it. It also covers the study on security concept either in hardware equipment or software based access control. The final part is to do application test among public, whereby data sample collected from public testing will be analyzed to produce a next version of signature verification, which would be an improved version.