STUDY ON PATTERN MATCHING TECHNIQUES AND DEVELOP A SIGNATURE RECOGNITION SYSTEM FOR APPLICATION FOR DESKTOP COMPUTER

Prepared by: Tan Kwan Choo

ABSTRACT

This project is to study as well as research on human signature and develop application would verify the signature and recognize who is the owner of the particular signature. This application contains few important algorithms to verify the signature.

First time user must register to obtain an account in order to use the system. User must select a username and password for the system, all required information must also be entered in order to register. In the registration, system will request the signature of the user and also the picture. After the registration, all the data will be stored into database. User can further update his/her profile, before editing his/her profile, he/she required to enter his/her correct username and password. The user is also allowed to change his/her signature and picture as well. The main feature of this system is to recognize the signature; the system will return the owner of the particular signature if the user had registered an account.

The system could be run in any Microsoft Windows Operating System with the C# Run-Time installed. However, the system is not as well as what we are doing in verification of signature. It's still having some limitations that the system could not verify as well as human beings.