HAND WRITING RECOGNISATION

Generally, the underlying technology that is associated with handwriting recognition software is OCR (Optical Character Recognition). OCR serves as the foundation for the handwriting recognition technology which provides computers with the ability to intelligently receive, as well as interpret input information from handwritten sources by [mechanical](http://en.wikipedia.org/wiki/Machine) or [electronic](http://en.wikipedia.org/wiki/Electronics) conversion of scanned or photographed [images](http://en.wikipedia.org/wiki/Image) of typewritten or printed text into machine-encoded/computer-readable text. We try to implement the same using image processing concept. This Handwriting Recognition Project proposes to recognize a wide variety of supervised characters like alphabets, numbers, numerals, etc from a set of diverse handwritings sample. The software recognises as to whose handwriting it is or identifies the respective characters and displays the characters read. This is carried out with the help of image processing. In imaging science, image processing is any form of signal processing for which the input is an image, such as a photographer video frame; the output of image processing may be either an image or a set of characteristics or parameters related to the image. In this case it can be either the character, the person by whom the character was written or both.

Language used:

java

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