Abstract

Handwritten recognition is an area of research where many researchers have presented their work and is still an area under research to achieve higher accuracy. In past collecting, storing and transmitting information in form of handwritten script was the most convenient way and is still prevailing as a convenient medium in the era of digital technology. As technology has advanced tablet and many similar devices allows humans to input data in form of handwriting. Use of paper to write handwritten text, converting to an image using scanner, identifying handwritten characters from the image is known as off-line handwritten text recognition is a challenging area due to the fact that different people will have different style of writing and all scripts have their own character set and complexities to write text. Many researchers have presented their work and many algorithms are proposed to recognize handwritten and printed characters. One can trace extensive work for off-line handwritten recognition for English and Arabic script. This paper presents review of work to recognize off-line handwritten text for various Indian language scripts. Paper reviews methodologies with respect to the phases of character recognition.


S. Arora, D. Bhattacharjee, M. Nasipuri, D. K. Basu, M. Kundu Recognition of Non-Compound Handwritten Devnagari Characters using a Combination of MLP and Minimum Edit Distance, Journal of Computer Science, no. 4, pp. 107-120.


Index Terms

Computer Science

Pattern Recognition
Keywords

Character Recognition  Off-line handwriting recognition  Pre-processing segmentation

feature extraction

classification

Indian script handwriting recognition