Abstract

Handwriting recognition has attracted many researchers across the world. Recognition of online handwritten Hindi numerals is a goal of many research efforts in the pattern recognition field. This paper presents an online handwritten Hindi numeral recognition system using Support Vector Machines. Co-ordinate points of the input handwritten numeral are collected; various algorithms for pre-processing are applied for normalizing, resampling and interpolating missing points. Angle, curvature along with the x and y co-ordinates are extracted from the input handwritten numeral. The data obtained is then used for recognition using the kernel functions of SVM. The recognition accuracies are obtained on different schemes of data using the four kernel functions of SVM.

References

Online Handwriting Recognition of Hindi Numerals using SVM

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Index Terms

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