Abstract

The handwritten recognition is one of the basic biometric recognition techniques. Different technique and features are used for faithful recognition characters. In this paper, we have proposed a SVM (support vector machine) based technique for Devanagari character recognition. The Devanagari characters have very correlation to each other. This feature of the Devanagari lipi makes faithful recognition difficult. The energy features of segment characters are used for classification. The more number of segments improves the recognition rate. The different recognition rates with the number of segments are used in this paper. The recognition rate is also developed on the kernel of SVM. The result of different kernels is also given in this paper.

References

Handwritten Devanagari Lipi using Support Vector Machine


**Index Terms**

Computer Science  Pattern Recognition
Keywords
Support Vector Machine  Devnagiri Lipi Recognition  Pre-processing  Feature Extraction
Classification
Post Processing