Abstract

This paper elaborates Hindi curve character recognition based on fuzzy logic. Characters are classified by if then rules based on Fuzzy logic into seven classes according to vertical bar. The experiment is performed for 10 different datasets of handwritten three-character, four-character and five-character words from 100 peoples. This group of people has different aged members. The experiment was successfully performed and the average recognition rate is found to be 94.8%.

References

A Fuzzy Approach to Handwritten Devnagari Script up to Five Characters Recognition

- Bapurao S. Naik — Typography of Devanagari
- Richard G. Casey and Eric Lecoline, "A survey of methods and strategies in Character segmentation".

Index Terms

Computer Science
Fuzzy Systems
A Fuzzy Approach to Handwritten Devnagari Script up to five Characters Recognition

Keywords
- Devnagari characters
- Segmentation
- Classification
- Feature Extraction