Abstract

Character recognition is the most important research area in today's world. Many researchers have focused on recognizing handwritten digits, numerals and characters in so many languages. To the best of our knowledge, little work has been done in the area of Tamil handwritten character recognition but they did not achieve better accuracy. Feature extraction is the important phase of character recognition. Feature extraction increases the recognition accuracy. This paper presents an overview of Feature Extraction techniques for off-line recognition of Tamil characters. The proposed method is Zone based hybrid approach for feature extraction. The 55 features which are extracted from the character image are the number of horizontal, vertical, diagonal lines along with their total length for each zone. ANN classifier is used for classification and recognition purpose. We obtained a better accuracy when compared with the previous approaches for offline Tamil handwritten character recognition.

References

- Manal A. Abdullah, Lulwah M. Al-Harigy, and Hanadi H. Al-Fraidi; Off-Line Arabic


Index Terms

Computer Science  Pattern Recognition

Keywords

Offline handwriting recognition  Tamil Scripts  OCR  Euler Number  ANN