Abstract

Ability of a computer to recognize handwritten character is a fascinating area of research due to the peculiarities involved in handwritten characters. Algorithm for Offline handwritten Character recognition differs as a result of diversities involved in writing with various language script. In a task of handwritten character recognition preprocessing and segmentation are two main phases and preliminary steps to be performed on acquired handwritten images. Achieving higher performance in handwritten character recognition depends on feature extraction process, which is highly influenced by preprocessing phase. Proposed work is a first step into an area of offline handwritten Gujarati character recognition. This paper presents algorithm for preprocessing image making it noise free and extracting region of interest for character recognition, segregating datasheet containing 30 characters written in Gujarati script to thirty different images having isolated characters. Further results obtained by employing proposed algorithm is discussed in this paper.

References

- K. K. M. BAHEETI M. J. , "Comparison Of Classifiers For Gujarati Numeral
Preprocessing and Segregating Offline Gujarati Handwritten Datasheet for Character Recognition


Index Terms

Computer Science Character Recognition

Keywords
Character Recognition  Off-line handwriting recognition  Preprocessing  Gujarati handwritten character recognition