Segmentation of jodakshara

In devanagri script conjugate charactors or jodakshara formed when two or more consonant combine togather.

Examples of jodakshara are()

For segmentation of jodakshara we use vertical projection approach

We form row matrix by taking sum of all columns in a image, When two consonant combine to form jodakshara the sum of column where first constituent consonant ends and second starts is minimum

D:\laptop-data\Desktop\Character recognition\ty_mini_project _upadte\jodakshara\1.2.1.tiff

Sum of this column is minimum

II)Feature extraction

In optical character recognition it is important to find feature vector associated with input symbol so that we can recognize character in input symbol with the help of classifier.

We use three features

1)Shadow with zoning

We divide input image into 16 parts, then find length of horizontal and vertical projection of each part

2)Vertical line

We detect presence and position of vertical line in an image for example, vertical line is present at middle for ,at end for and absent for

3) Eular number:

Eular number is total number of objects minus total number of holes