Abstract

The image segmentation is often used to trace the thing and bounds like line and curves in a picture. The segmentation of the text dependability is critical to perform the classification and Recognition. the most aim of segmentation is to partition the document image into varied homogenous regions like text block, image block, line and word. during this paper we've got introduced a cluster based mostly} neighbor technique and Direction based line segmentation technique for the image segmentation. First, scan the input image and take away the noise. Second, apply the highest down phaseation approach to segment a document image into text lines. Third, the results of segmentation is about of segments that conjointly cowl entire pictures.

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**Index Terms**

Computer Science  
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**Keywords**

Image segmentation, Histogram based Algorithm, Edge Detection algorithm, Preprocessing, Image acquisition.