International Conference on Recent Trends in Engineering, Management, Science and Humanities (ICRTEMSH – 2019)
17ᵗʰ November, 2019, Noida, India

IMPACTS OF SEGMENTATION FOR IMAGE QUALITY

KANDE SHARAD SANDESH

Research Scholar, Ph.D. in Electronics and Communication Engineering,
Dr. A.P.J. Abdul Kalam University, Indore, M.P.

ABSTRACT

Image segmentation is an important image processing step, and it is used everywhere if we want to analyze what is inside the image. Image segmentation; basically provide the meaningful objects of the image. This paper represents the various image segmentation techniques that could be used in the segmentation algorithm. Whenever we work with the image in any application, initial step is to segment the image in order to solve its complexity. The segmentation of images is the basic thing for understanding the images. It is used in the Image processing applications, Computer vision, etc. In this paper, two categories are emphasized: Edge based and region based segmentation, which further includes their respective techniques. Due to the advent of computer technology image-processing techniques have become increasingly important in a wide variety of applications. Image segmentation is a classic subject in the field of image processing and also is a hotspot and focus of image processing techniques. Several general-purpose algorithms and techniques have been developed for image segmentation. Since there is no general solution to the image segmentation problem, these techniques often have to be combined with domain knowledge in order to effectively solve an image segmentation problem for a problem domain. This paper presents a comparative study of the basic Block-Based image segmentation techniques.

Keywords: Image Segmentation, Segmentation Algorithm, Edge Based &
*   Region Based   Segmentation,*