Abstract

In the epoch of Information Technology, encroachments in communication technology, computers are churning the presentation of new applications which uses images widely. As a result, the facility to accumulate and convey the image, video information in an competent manner has become very critical. In this paper, an innovative JPEG compression algorithm with Fuzzy C means based clustering discussed. The projected algorithm is estimated to fabricate improved results in terms of MSE, PSNR and number of bits transmitted, when judge against to the customary algorithms. The proposed JPEG algorithm augments the speed and condenses the number of encoded bits, thereby reducing the amount of memory required. The proposed approach is applied on images corrupted with Gaussian noise, Speckle noise, Poisson noise and Salt & Pepper noise.

References

1. Olivier Egger and Wei Li, “Very Low Bit Rate Image Coding Using Morphological


Index Terms

Computer Science  Image Processing

Keywords
Image Compression, clustering, PSNR, MSE, AD, SC.