Abstract

Image processing is a process to digitize the data of an image and a variety of mathematical operations are applied to enhance the image which is more applicable or pleasing to a human observer or to accomplish some of the analysis and identification tasks by computer.

Due to environmental disarray or improper camera setting blur may arise in an image. Noise can also degrade the quality of a captured image in conjunction with blur. Restoration is a process to remove the blur from the image and restore the original image.

There are a variety of techniques and methods have been suggested to restore a despoiled image. For a particular blur, there is a particular technique to remove it. In this paper, we discussed various image restoration methods and their study of efficiency.

Image restoration has a variety of applications in various fields like video surveillance, crowded movement analysis etc.
References

16. S. Saadi, A. Guessoum, and M. Bettayeb, 2013, ABC optimized neural network model for image deblurring with its FPGA implementation, Microprocessors and Microsystems 37, no. 1 PP. 52-64.

Index Terms

Computer Science

Image Processing

Keywords

Deconvolution, Degradation model, Point spread function (PSF), Peak signal to noise ratio (PSNR).