Abstract

Image brightness is generally desirable to be uniform except regions where it changes to form an image. There are factors, however, that tend to produce variation in the brightness of a displayed image even when no image detail is present. This variation is usually random and has no particular pattern. In many cases, it reduces image quality. This random variation in image brightness is designated as noise. In this experimental work, different medical images like MRI, Cancer, X-ray, and Brain images have been considered and have been then used to calculate the standard deviation and mean of all these images after finding Speckle noise and applying various filtering techniques for removal of noise. This experimental analysis will improve the accuracy of these medical images for easy diagnosis. The results, which have
been achieved, are more useful and they prove to be helpful for general medical practitioners to analyze the symptoms of the patient.

References

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Index Terms

Computer Science

Image Processing
Keywords
Mri – Magnetic Resonance Imaging  X-ray  ct  Median Filter  Adaptive Filter And Average Filter.