**Adaptive Lossless Medical Image Watermarking Algorithm Based on DCT & DWT**

**ABSTRACT**

This paper, presents a robust, secure and lossless digital image watermarking based on DWT and DCT. The combined DWT-DCT algorithm embedded watermarks in original medical image. It embeds watermark like patient's name, disease's name, hospital's name, and doctor's signature into original medical image. This watermarking algorithm provides privacy of patient. Many performance factors are considered to evaluate the performance parameters of the proposed scheme. The performance evolution factors include PSNR, and measuring their correlation with degradation of the whole image.

**Keywords**

Watermarking, Discrete Wavelet Transform (DWT), Discrete Cosine Transform (DCT), Mean Square Error (MSE), Peak Signal to Noise Ratio (PSNR) Correlation.