Abstract

Image authentication plays a vital role in safeguarding the originality as well as helps to retain the integrity of the data. It is also used as proof in case of content delivery. This paper proposes an efficient and effective medical image authentication technique by embedding information of a patient and doctor through corresponding QR codes in selected DWT sub-band of that image. At the receiver end QR codes are extracted and information containing in the QR codes are retrieved using Smart Phone or through standard QR Code Reader.

References

- S. Walton, "Image Authentication for a Slippery New Age"; Dr. Dobb's J., pp. 18–26, April 1995.
Index Terms

Computer Science

Security

Keywords

A Robust Medical Image Authentication Technique using QR Code and DWT

DWT  QR Code  PSNR  Medical Imaging