Abstract

Nowadays in network communication need to protect the transmission, also right to advance networking helpful fast Communication. Therefore, networking makers need to additional consistently handling illegal use of the data. In our proposed approach, first enter the user name and password then generate QR-code using zxing library that will converted in to the share using Binary Visual cryptography algorithm. Now share-2 is save in the database that is for future reference at receiver side. Now share-1 is embedding into the R-Component LL bit using of block DWT-SVD and Pseudo Zernike moment. After embedding add G, B Component. Now Color watermark image transfer from the network. As in network there are different attackers apply combination of Rotation, Scale and Translation attacks on the color watermark image. For recover the attacks first apply Pseudo Zernike moment, Surf feature on R-component they will extract the attacks pixel and recover the scale-angle using affine transformation. Now share-1 and another share-2 is in data base so we will apply EX-OR operation to get the QR-Code. The final QR-code is decoded and we get the user name and password. This research work can give a way for providing Security to Authority data and give protection against Attacks.
An Efficient Image Watermarking for Combination of RST Attacks

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**Index Terms**

Computer Science  
Security

**Keywords**
QR Codes, VCS, RGB-Extract, Block-DWT, Surf, Affine and Combinational RST attacks.