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Secret Sharing Schemes with Diverse Image Media

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Abstract : In this project secure a natural image based Visual Secret Sharing Scheme (NVSS) that shares secret images via various carrier media to protect the secret and participants during the transmission phase. This process involved sharing a Secret image over arbitrary selected natural images (called natural shares) and one noise-like share. The natural shares can be photos or hand-painted pictures in digital form or in printed form. The noise-like share is generated based on these natural shares and the secret image. The unaltered natural shares are diverse and innocuous, thus greatly reducing the transmission risk problem. Previously Visual Secret Sharing Schemes hide a Secret image in shares that appear noise like picture or noiseless picture. It will arouse suspicion and increase interception risk during transmission of the shares. VSS schemes suffer from a transmission risk problem while sharing shares contains Secret Images. To resolve this problem NVSS Scheme is developed.