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## Video and Image Steganography

Prof. B. N. Babar<sup>1</sup>, Saurabh Javir<sup>2</sup>, Pratiksha Nagawade<sup>3</sup>, Ashish Gade<sup>4</sup>, Rutuja Harer<sup>5</sup>

Assistant Professor, Department of Information Technology<sup>1</sup>
Students, Department of Information Technology<sup>2,3,4,5</sup>
Sinhgad Institute of Technology, Lonavala, Maharashtra, India

**Abstract:** Video steganography, a technique for embedding secret information within video sequences, has gained prominence in the domain of covert communication. By exploiting the inherent redundancy and high capacity of video data, this approach enables secure data transmission without raising suspicion. This paper delves into the intricacies of AES-based video steganography, with a particular focus on the integration of the Advanced Encryption Standard (AES) algorithm. The AES algorithm, renowned for its robust encryption capabilities, serves as a cornerstone of this steganographic approach. By encrypting the secret data prior to embedding it within the video frames, an additional layer of security is introduced, safeguarding the confidentiality of the hidden information.

Keywords: Video Steganography, Encryption, Decryption, AES, Hidding data

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