

# **Image Encryption using AES based Algorithm**

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## **Abstract**

*Due to the increasing use of images in industrial process, it is essential to protect the confidential image data from unauthorized access. Image encryption plays a significant role in the field of information hiding. The security of digital images has become increasingly more important in today's highly computerized and interconnected world. This paper presents advanced Encryption Standard (AES), adding a key stream generator to AES to ensure improving the encryption performance. The main goal of this paper is to secure the image encryption process by implementing a key stream generator to the AES encryption algorithm, which ensures the security of the image. LFSR key stream generator is used to improve the security of images from unauthorized access.*