# SMS SECURITY WITH AES ALGORITHM ON ANDROID OS

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## Abstract

*Mobile phones have changed our day to day life totally. Short Message Service (SMS) is a text messaging service component of phone, web, or mobile communication systems, using standardized communication protocols that allow the exchange of short text messages between devices. On the other hand of the popularity of SMS, secure messaging transmission is required. The purpose of secure messaging is to enable sender and receiver to electronically communicate both privately and securely. In this proposed system, Advanced Encryption Standard Algorithm (AES) is applied to encrypt and decrypt messages on Android OS. The sender and receiver use the same key to encrypt and decrypt the messages as per user requirement in order to improve security and to get high confidentiality. This application can run on any device which works on Android platform and provides a secure encryption of the data.*