



Comparative Analysis of AES and DES in Secure Messaging Systems

Project Proposal

Project Category:

Cryptography

Project Advisor:

Aqsa Khalid

Group Members:

Muhammad Abdullah	21L-6101
Aaon Raza	21L-6055
Tayyab Nadeem	21L-5830

National University Of Computer and Emerging Sciences
Department of Computer Science
Lahore, Pakistan

Description

This research delves into the comparative analysis of the Advanced Encryption Standard (AES) and the Data Encryption Standard (DES) within the context of secure messaging systems. It examines the effectiveness of these encryption algorithms by assessing their security, computational performance, and practicality in real-world communication scenarios. The study underscores the importance of encryption in safeguarding data privacy amidst the rapid expansion of digital communication. While AES is celebrated for its robust security and modern application, DES remains a subject of interest due to its historical relevance and straightforward design. By evaluating their strengths and limitations, this research provides valuable insights into the suitability of these algorithms for contemporary secure communication needs.