

# ***IMPLEMENTATION OF THE CAMELLIA ALGORITHM IN A HOSPITAL INFORMATION SYSTEM TO SECURE PATIENT DATA***

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## ***ABSTRACT***

*Cryptography is a science that focuses on information security, this is very important in the digital era to protect sensitive data such as hospital patient information. Cryptographic algorithms such as Camellia ensure high data security. Personal and medical patient data must be protected to maintain their privacy and security. Regulations such as HIPAA in the United States require the protection of patient data privacy and security, with sanctions for hospitals that fail to do so. Cryptography protects the confidentiality, integrity, and authentication of data by encrypting it, preventing access and manipulation by unauthorized parties, and ensuring the integrity of data when transmitted between systems. Overall, the application of cryptography provides an important additional layer of security to protect sensitive health data in hospitals.*

***Keywords: Cryptography, Camellia, Patient Data, Hospital.***