A Study on Network Security & Cryptography

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Abstract*: Network security is a Guarantee that all the devices in a network are working properly and the users of these devices only possess the rights /privileges that were granted to them.*
This can include:
Preventing unauthorized people from acting on the system maliciously preventing users from performing involuntary operations that are capable of harming the system. Securing data by anticipating failures making the Network and servers 100% available. These protocol required computer information to be confidential, available and have integrity.
Cryptography:-The process of converting a message into a secret code called CIPHER TEXT, and changing the encoded message back to regular text called PLAIN TEXT.
Encryption: The conversion of the original message into a secret code or CIPHER TEXT using a key.
Decryption:-The conversion of the encoded message or PLAIN TEXT back to the original message uses the same key.

Keywords: Network, Cryptography, Encryption, Decryption