

## Cryptography:

The practice and study of techniques for securing communication and data by encoding information in a way that only authorized parties can understand.

## Digital Certificate:

An electronic document that uses cryptography to bind the identity of an entity, such as a person or a website, to a public key.



## Symmetric Encryption:

A type of encryption where the same key is used for both encrypting and decrypting the data.



## Asymmetric Encryption:

A type of encryption that uses a pair of keys, one for encrypting and another for decrypting, providing a higher level of security.

## SSL (Secure Sockets Layer):

A protocol that ensures the secure communication of data over a computer network, commonly used on the internet to secure transactions and sensitive information.