TALENTO TECH

TIC

REGIÓN 3
CAUCA - NARIÑO
LESSON 1 -UNIT 1

UTP | faceIT
Universidad Tecnológica
de Pereira

LESSON 1: Keywords before reading

Symmetric Encryption: A method of encrypting and decrypting data using the same key.

Plaintext: The original, readable form of data before encryption.

Ciphertext: The unreadable, encrypted version of data.

Encryption Key: A secret code used to encrypt plaintext into ciphertext.

Decryption: The process of converting ciphertext back into plaintext.

Confidentiality: The principle of keeping data private and accessible only to authorized individuals.

AES (Advanced Encryption Standard): A widely used, highly secure symmetric encryption algorithm.

Key Sharing: The process of securely distributing the encryption key to all parties.

Cybersecurity: Measures and practices designed to protect digital systems and information.

Encryption Algorithm: A set of mathematical rules used to perform encryption and decryption.