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▶ TALENTO TECH

REGIÓN 3

CAUCA - NARIÑO

MODULE 1- UNIT 2



TIC



UTP
Universidad Tecnológica
de Pereira

faceIT



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Unit 2: Digital Signatures and Key Management

GENERAL OBJECTIVES:



Acquire basic knowledge about digital signature mechanism and understand the concept of digital envelopes.



Understand and discuss appropriate management for keys.

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Competencies to Develop

01

Linguistic competence: Ability to articulate digital signatures, public and private keys, strategies, and solutions effectively in written and verbal communication within the context of cybersecurity.

03

Sociolinguistic competence: Understanding the social and ethical implications of digital signatures and privacy practices.

02

Pragmatic competence: Application of theoretical knowledge to real-world scenarios, demonstrating the ability to analyze security risks, strategies for a better security of the websites, and implement new forms of managing keys.

04

Topical Competence: Achieve technical knowledge in cybersecurity terminology and confidently use it in relevant communication contexts.



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Time available: 4 hours

Lesson cybersecurity

Learning materials.

- 1) Idiom of the day
- 2) Activity 1. Warm-up activity "Who Am I? Digital Identity Challenge"
- 3) Lesson 1. Useful terminology about digital signatures
- 4) Lesson 2. Reading "Digital signatures: What they are & why they matter"
- 5) Activity 2. Reading comprehension activity "Digital Signatures"
- 6) Activity 3. Activity about the previous reading. Kahoot
- 7) Lesson 3. Socialize keywords before reading
- 8) Lesson 4. Reading: Public-Key Certificates
- Activity 4. Activity about the previous reading. Kahoot

<https://wordwall.net/es/resource/84084194/useful-terminology-about-digital-certificate>
<https://blog.ascertia.com/digital-signatures-explained>
<https://create.kahoot.it/details/2bc1ad33-23cb-43f0-97e2-8837d0bda21d>