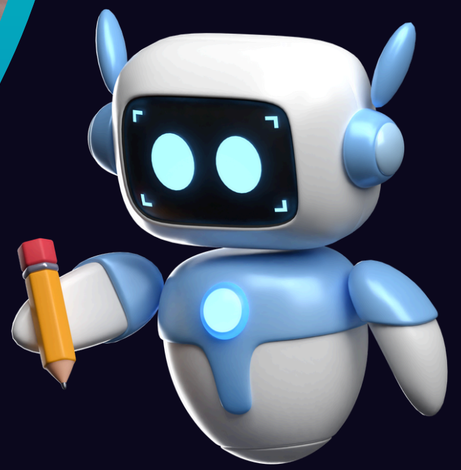
TIC

TALENTO TECH

REGIÓN 3
CAUCA – NARIÑO
LESSON 4



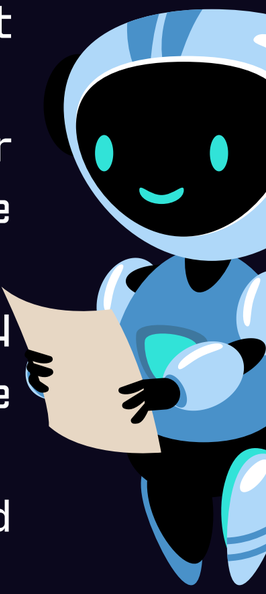
Universidad Tecnológica de Pereira | faceIT

LESSON 4: Reading
What is ISO 27001? A Standard to Protect Information

ISO 27001 is an international standard for information security management. It provides organizations with a framework to protect sensitive data and ensure it remains confidential, available, and secure. This standard is designed to help businesses identify risks and apply controls to prevent security breaches.

Key Features of ISO 27001

1. Information Security Management System (ISMS): The core of ISO 27001 is the ISMS, a set of policies, procedures, and systems designed to manage information securely. It helps organizations protect data from unauthorized access, damage, or loss.
2. Risk Assessment: Businesses are required to identify potential risks to their information and assess their impact. This helps prioritize actions to reduce vulnerabilities.
3. Security Controls: ISO 27001 includes a list of 114 security controls grouped into 14 categories, such as access control, cryptography, and incident management. These controls guide organizations in improving their security.
4. Compliance: Implementing ISO 27001 helps organizations meet legal, regulatory, and contractual requirements related to information security.



Benefits of ISO 27001

- **Trust:** Customers and partners are more likely to trust organizations that follow a recognized security standard.
- **Efficiency:** By identifying and managing risks, companies can avoid costly security incidents.
- **Reputation:** Organizations with ISO 27001 certification demonstrate their commitment to security, enhancing their public image.

Who Can Use ISO 27001?

Organizations of any size or industry can implement ISO 27001. It is particularly useful for businesses handling sensitive customer data, such as financial institutions, healthcare providers, and IT companies.

How to Get Certified

To achieve ISO 27001 certification, an organization must:

1. Establish an ISMS.
2. Conduct a risk assessment and apply appropriate controls.
3. Undergo an external audit by a certification body to verify compliance.

Why ISO 27001 Matters

In a world where cyberattacks are increasing, protecting information is more important than ever. ISO 27001 provides a proven method to safeguard sensitive data, reduce risks, and build trust with customers and partners.