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# Learning Module 5 – Cybersecurity

## Module introduction

Cybersecurity is about the risks and threats of doing business online. It is critical for every micro-entrepreneur to understand the essence and importance of cybersecurity and know what to do in order to minimize cyber threats. This module aims to provide you with the knowledge, skills and attitudes necessary to protect both your personal and your clients' information while staying connected, by ensuring that measures based on good practices are in place to eliminate risks and keep safe from cyber-attacks. It will help you understand relevant risks, threats and security issues when accessing internet applications and services, and recognize vulnerabilities of your information technology systems.

## The objective of this module is to enable you to:

1. Understand the security issues raised with the use of computer systems and electronic services.
2. Gain awareness of the relevant risks and threats of doing business online.
3. Recognize vulnerabilities of your information technology systems.
4. Apply measures based on good practices to eliminate the risks and protect your businesses from cyber-attacks.
5. Gain awareness of various practices and tools that you can implement to provide defense against a wide range of potential threats to your business's information.

## Expected learning outcomes:

### Knowledge

Upon completion of this module, you will be able to:

1. Discuss key concepts related to cybersecurity.
2. Differentiate between various software tools including antivirus and antispyware, anti-phishing, anti-spam, anti-ransomware, firewalls, shields, blockers, and web filters.
3. Define and implement strong authentication, access management, data encryption, data loss prevention, certificates, secure authentication, cloud security, and mobile security.

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### Competences and Skills

Upon completion of this module, you will be able to:

1. Be aware of the risks and threats.
2. Spot vulnerabilities of your Information Technology systems.
3. Protect your Information Technology systems from unauthorized access
4. Understand the value of cyber protection technologies.
5. Know what to do and what to do not in order not to be a victim of cybercrime.
6. Create cyber trust in your business.
7. Apply an integrated cybersecurity strategy to your IT ecosystem (network, endpoint, email, cloud, applications, identity).

## Syllabus

Module 5 is divided into 4 units:

Unit 1 - Defining Cybersecurity
Unit 2 - Principles of Cybersecurity
Unit 3 - Types of Cyber Attack
Unit 4 - Tools and Best Practices

Furthermore, there are Multiple Choice Questions related to each Unit.

Duration of the module: approximately 180 minutes.

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