

An Introduction to Cryptographic Techniques

Modality: On Demand

Duration: 1 Hour

About this Course:

The Introduction to Cryptographic Techniques is an entry-level course for aspiring cybersecurity enthusiasts and IT professionals. This course opens doors to the world of cryptographic and helps professionals identify the role of cryptographic security solutions in the realm of information security. It covers both the basic and advanced topics of cryptography and educates professionals about the fundamentals of the implementation of the cryptographic technique such as Zero-Knowledge and Privacy Mechanisms.

In the recent past, cryptography has become one of the essential information security tools in the hybrid, cloud, and on-premises information systems. The implementation of cryptographic techniques protects and secures information systems from advanced security threats and malicious cyber attacks. The implementation of cryptographic security measures helps in augmenting data encryption standards and contributes to the enhancement of overall information security of a distributed data network.

These cryptographic techniques are immensely useful in preventing data leakage and information security breaches. This beginner's course provides an overview of cryptography and educates professionals about various implementation techniques used in cryptography.

Course Objectives:

- General Cryptography Concepts.
- Basic Hashing Concepts.
- Basic Encryption Concepts.
- Public Key Cryptography.
- Covers majority of the Cryptography Objectives for the common IT Security Exams.

Audience:

- Cybersecurity Professionals
- IT Professionals
- Information Security Experts
- Network Security Engineers

Prerequisites:

There are no prerequisites for this course.

Course Outline:

- Cryptography is an indispensable tool for protecting information in computer systems. we will cover more advanced cryptographic tasks such as zero-knowledge, privacy mechanisms, and other forms of encryption.