



UNIVERSITÀ  
DI PISA

University of Pisa

*Department of Information Engineering*

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Electronics and communication  
technologies

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## **Information**

These notes are intended for educational purposes only and cover essential concepts in the field of data systems and security. The aim is to provide a comprehensive understanding of topics such as system vulnerabilities, protection techniques, and defense strategies in cybersecurity.

This document includes topics related to access control, authentication mechanisms, database security, cryptographic methods, and advanced persistent threats, with a particular focus on practical applications in real-world scenarios.