

# LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

## ISO 27001IOT — Information Security Applied to IoT

*ISO Certification Programme*



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### LAPT — London Academy of Professional Training

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**Reference** IIT-IOT-27001IOT • ISO IT & Related Technologies

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AT A GLANCE

|               |                                                |
|---------------|------------------------------------------------|
| REFERENCE     | IIT-IOT-27001IOT                               |
| AWARD         | Certificate                                    |
| ASSESSMENT    | 430 marks — 258 to pass (60%)                  |
| PREREQUISITES | None                                           |
| VALIDITY      | Lifetime                                       |
| AWARDING BODY | LAPT — London Academy of Professional Training |

CURRICULUM

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| <div>1</div> <div>Compliance and Audit Processes</div> <div>0 chapters 45 marks</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <div>2</div> <div>IoT Security Fundamentals</div> <div>5 chapters · 18 classes 85 marks</div> <div><div><div>• 1 Understanding IoT Security Threats and Vulnerabilities — 6 classes</div><div><div>› 1.1 Define and Categorize IoT Security Threats</div><div>› 1.2 Identify Common Vulnerabilities in IoT Devices</div><div>› 1.3 Analyze Real-World IoT Security Breaches</div><div>› 1.4 Assess the Impact of IoT Threats on Organizations</div><div>› 1.5 Explore Mitigation Strategies for IoT Vulnerabilities</div><div>› 1.6 Develop a Response Plan for IoT Security Incidents</div></div></div><div><div>• 2 Fundamental Principles of Information Security in IoT — 6 classes</div><div><div>› 2.1 Define Key Concepts of Information Security in IoT</div><div>› 2.2 Identify Common Threats to IoT Security</div><div>› 2.3 Explore Principles of Confidentiality, Integrity, and Availability in IoT</div><div>› 2.4 Assess Risk Management Strategies for IoT Environments</div><div>› 2.5 Develop an IoT Security Framework Using ISO 27001 Guidelines</div><div>› 2.6 Implement Best Practices for Securing IoT Devices and Networks</div></div></div><div><div>• 3 Risk Assessment and Management in IoT Environments — 6 classes</div><div><div>› 3.1 Identify Key Risks in IoT Environments</div><div>› 3.2 Conduct IoT Threat Analysis</div><div>› 3.3 Evaluate Vulnerabilities in IoT Devices</div><div>› 3.4 Measure Impact of IoT Security Breaches</div><div>› 3.5 Develop a Risk Management Strategy for IoT</div><div>› 3.6 Implement Mitigation Measures for IoT Risks</div></div></div></div> <div><div>• 4 Implementing Security Controls for IoT Devices</div><div>• 5 Compliance and Governance in IoT Security Frameworks</div></div> |  |
| <div>3</div> <div>ISO 27001 Standards Application</div> <div>0 chapters 105 marks</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <div>4</div> <div>Leadership and Team Dynamics</div> <div>0 chapters 45 marks</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |

5

Risk Management for IoT

0 chapters

65 marks

6

Strategic Security Planning

0 chapters

85 marks