

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 30141 — Internet of Things Reference Architecture

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-IOT-30141 • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-IOT-30141
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Compliance and Standards 0 chapters65 marks	
2 Evaluation of IoT Solutions 0 chapters65 marks	
3 IoT Architecture Frameworks 5 chapters · 24 classes85 marks • 1 Introduction to IoT Architecture Concepts — 6 classes › 1.1 Define Key IoT Architecture Concepts › 1.2 Explore Components of IoT Ecosystems › 1.3 Analyze Different IoT Architecture Styles › 1.4 Identify Roles and Responsibilities in IoT Architecture › 1.5 Assess Challenges in Implementing IoT Architectures › 1.6 Apply IoT Architecture Concepts to Real-World Scenarios • 2 Structure of IoT Reference Architectures — 6 classes › 2.1 Define the Key Components of IoT Reference Architectures › 2.2 Analyze Different Layers in IoT Architecture Models › 2.3 Compare and Contrast IoT Architecture Frameworks › 2.4 Evaluate the Role of Standards in IoT Architecture › 2.5 Design a Basic IoT Architecture Diagram › 2.6 Apply IoT Architecture Principles to Real-World Scenarios • 3 Interoperability and Standards in IoT Architectures — 6 classes › 3.1 Explore the Importance of Interoperability in IoT › 3.2 Identify Key Standards for IoT Architecture › 3.3 Analyze Common Protocols Supporting IoT Interoperability › 3.4 Evaluate Challenges in Achieving Interoperability › 3.5 Apply IoT Standards to Develop a Sample Architecture › 3.6 Assess Future Trends in IoT Interoperability and Standards • 4 Security and Privacy Considerations in IoT Architecture — 6 classes › 4.1 Identify Key Security Threats in IoT Architecture › 4.2 Analyze Privacy Risks Associated with IoT Devices › 4.3 Explore Security Best Practices for IoT Device Design › 4.4 Evaluate Encryption Methods for Secure Data Transmission › 4.5 Assess Compliance Standards and Regulations in IoT › 4.6 Implement a Risk Management Framework for IoT Architectures • 5 Implementing and Evaluating IoT Architectures	
4 Leading IoT Teams 0 chapters65 marks	
5 Risk Management in IoT 0 chapters65 marks	

