

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 30165 — Real-Time IoT Systems

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-IOT-30165 • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-IOT-30165
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1	Designing IoT Solutions	0 chapters	45 marks
2	Emerging Technologies in IoT	0 chapters	45 marks
3	IoT System Architecture	5 chapters · 18 classes	125 marks
• 1 Fundamentals of IoT System Architecture — 6 classes › 1.1 Define Key Concepts of IoT System Architecture › 1.2 Identify Components of IoT Architecture Models › 1.3 Explain Communication Protocols in IoT › 1.4 Analyze Data Flow in IoT Systems › 1.5 Explore Scalability and Security in IoT Architecture › 1.6 Design a Basic IoT Architecture for a Real-World Application • 2 Core Building Blocks of IoT Systems — 6 classes › 2.1 Define and Describe Key Components of IoT Architecture › 2.2 Analyze the Role of Sensors in Data Collection › 2.3 Evaluate Communication Protocols Used in IoT Systems › 2.4 Explore Cloud and Edge Computing Integration in IoT › 2.5 Assess Security Considerations for IoT Architectures › 2.6 Develop a Simple IoT Solution Using Core Building Blocks • 3 Designing Scalable IoT Architectures — 6 classes › 3.1 Analyze Key Components of Scalable IoT Architectures › 3.2 Evaluate Different Communication Protocols for IoT Scalability › 3.3 Explore Design Patterns for Enhancing IoT Scalability › 3.4 Assess Cloud Solutions for Scalable IoT Deployments › 3.5 Implement Security Measures in Scalable IoT Systems › 3.6 Develop a Scalable IoT Architecture Prototype		• 4 Integration of Cloud and Edge Computing in IoT • 5 Security and Privacy in IoT Architecture	
4	ISO Standards in IoT	0 chapters	85 marks
5	Leadership in IoT Project Management	0 chapters	45 marks

