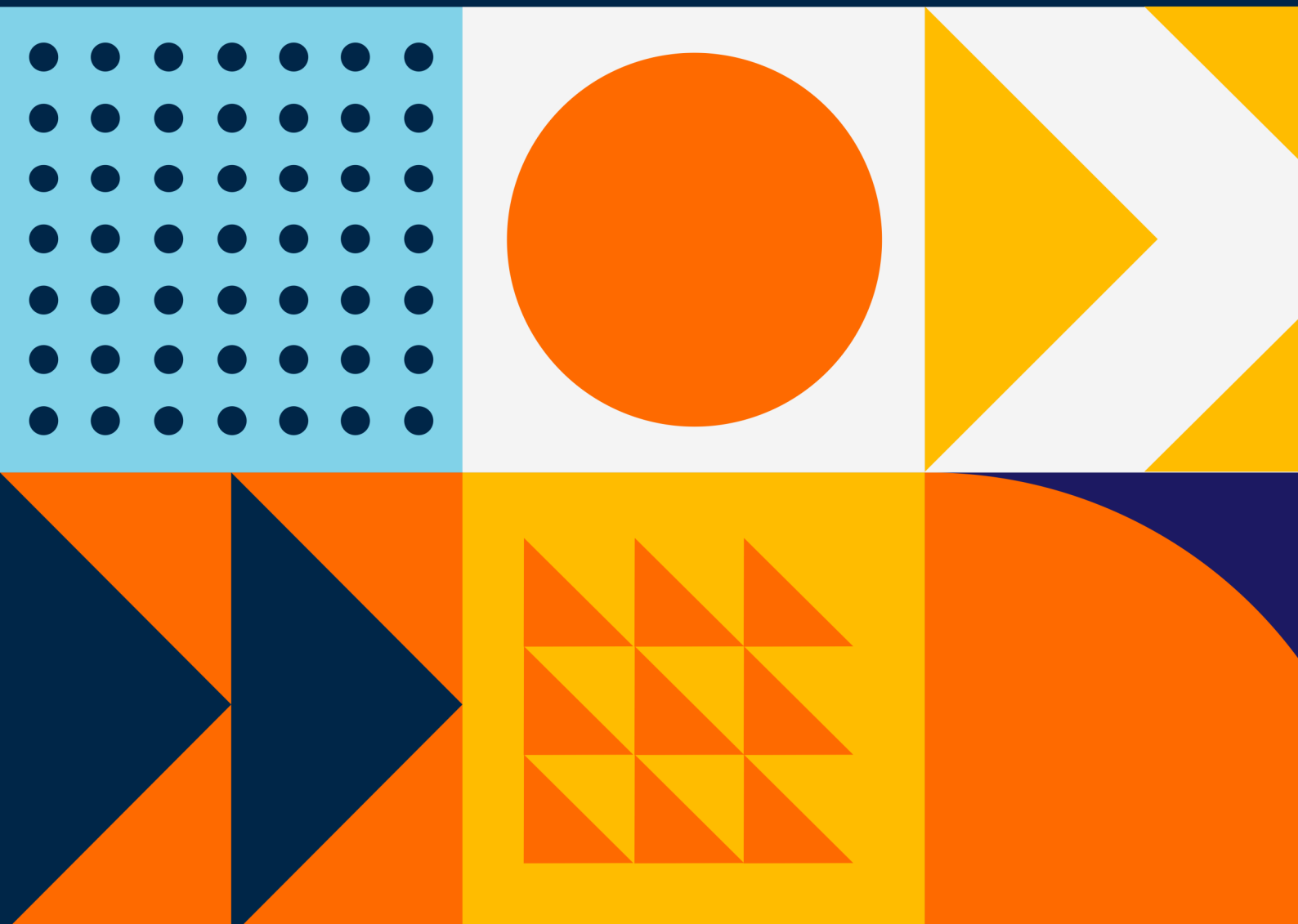




We do **IT**
to inspire.

Industry Certifications for IT & Management:

Data Centre Management Professional Training





About Us

who we are.

Averest is one of the leading and fast-growing companies specialising in Information Technologies, Cyber Security, Cloud Computing, DevOps, Artificial Intelligence, Agile and Scrum, and Project Management, which is based in the United Kingdom and Turkey. Averest provides high-quality tech-accredited training and business solutions to its clients on these topics and more.



Why You Should Learn With Us?

We offer accredited Programs that are available for anyone wishing to acquire skills and gain professional certification to take their career to the next level.

- **100+ Premium Programs**

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We help many of the world's leading companies to build their tech and digital capabilities.

Our partners.



To Explore More Please Visit [Our Website](#)

Program

Data Centre Management Professional Training

Overview

This course is a comprehensive program that investigates the functionality of all elements of a data center facility and the relationships and dependencies between them, with a focus on maintaining consistent reliability, security, and integrity of data and the availability of service. Opening with a solid grounding in the basic design principles, the program progresses to provide an overview of the physical infrastructure elements, through to an understanding of the project management methodology required to deliver complex data center projects. This course also explores the efficient management of the often conflicting operational and maintenance demands required of the data center plant to continuously deliver the business needs. The challenges of regulatory compliance, data center strategies, and audit demands are also thoroughly examined. Real-life case studies are used to demonstrate putting theory into practice.

What You Will Learn?

- Gain unparalleled knowledge, skills, and competency to manage the complex technical environments of a data center facility and the ability to optimize its effectiveness by driving efficiencies.
- Create a credible business strategy and apply strong leadership to maximize the operational capability of the data center whilst continuing to meet the ongoing demands of the business.

Course Key Features

- Explore the efficient management of the often conflicting operational and maintenance demands required of the data center plant to continuously deliver the business needs.
- The challenges of regulatory compliance, data center strategies and audit demands.

Eligibility

The program is designed for individuals wishing to enhance their ability to strategically manage, control and improve the operational effectiveness of a data center environment.

Program

Data Centre Management Professional Training

Program Outline

Module 1: What is a Data Centre?

- Data center definition
- Data center options
- Business demands
- Growth and demand challenges

Module 3: Physical Infrastructure

- Power Infrastructure
- Static and automatic transfer switches
- Measuring and monitoring
- Cooling infrastructure
- Cooling management options
- Cable infrastructure considerations
- IT systems & services
- Storage management

Module 2: Understanding Basic Design Principles

- Identifying the business need
- Building a business case
- National and international standards
- Site and building considerations
- Tier Levels
- Criticality and availability
- Determining data centre capacities

Module 4: Implementing Data Centre Projects

- Business case
- The project cycle
- Prioritisation of activities
- Triple constraints
- Customer value
- Quantitative risk analysis
- Rolling wave planning
- Decomposition

Program

Data Centre Management Professional Training

- IT security
- Access & security

- Change management
- Documentation

Module 5: Managing the Data Centre

- Regulations, standards, processes
- Service management frameworks
- Service life cycles
- OLA, SLA and KPIs
- Processes and procedures
- -Moves, adds, changes
- -Energy efficiency
- -System availability
- -Decommissioning
- Transformation programs
- -Consolidation
- -Virtualisation
- -Cloud computing
- -Relocation
- Data Centre Facility Management
- -Facility operations
- -Building Management Systems (BMS)
- -Fire safety compliance

Module 6: Purpose

- Introduction to ITIL
- DCO & FM framework
- Key performance indicators (KPIs)
- RACI matrices

Program

Data Centre Management Professional Training

- -Fire suppression

Module 7: Management of People

- Appreciation of different skill-sets
- Creating a multi-disciplinary team
- Constructing a data centre team

Module 9: Energy Efficiency

- Understanding what is attainable and prioritisation
- Efficiency demands
- Efficiency measures
- Validation of processes and procedures

Module 11: Business Strategy

- Data centre strategic context
- Strategic planning
- Drivers for the business and IT strategies
- The impact on the data centre
- Aligning IT with the business strategy

Module 13: Supporting Strategies

Module 8: Management of Plant

- Management of plant overview
- Power management
- IT environment management
- Cooling management

Module 10: Management of Services

- Management of SLA's
- Data centre service management
- Automated tools
- Activity planning

Module 12: IT Strategy

- The link between business and data centres
- IT strategy framework
- Portfolio management
- Execution plan

Module 14: Legislation and Regulations

Program

Data Centre Management Professional Training

- Strategic planning processes and techniques
- Supporting strategy examples
- -Power continuity
- -Cooling continuity
- -Finance
- -Fire safety
- -Security and access control
- -Business continuity/disaster recover
- -Cleaning
- Data protection
- General Data Protection Regulation (GDPR)
- Computer Misuse Act
- Freedom of Information Act
- Cloud service provider legislation
- Electricity regulations
- Electricity at work regulations, national electrical code
- Building and regulations
- Health and Safety
- Environmental legislation

Module 15: Codes of Practice

- EU code of conduct
- DoE DCEP (Data Centre Energy Practitioner)
- Green Grid maturity model

Module 17: Auditing the Data Centre Physical Infrastructure

- Audit guidance
- Site specific activities

Module 16: The Audit Process

- What is an audit?
- Defining the business requirement
- What should be audited?
- Audit outcomes
- Potential risk evaluation

Module 18: Performance Audits

- Current industry metrics
- Modelling calculations

Program

Data Centre Management Professional Training

- Evaluating the key environments
- Commissioning
- Functional testing
- Trend analysis
- Recommended practices
- Bin analysis

Module 19: Environmental Audits

- The need to measure and monitor
- Site specific monitoring
- Energy use and monitoring

Module 20: Asset Management

- Areas of asset management
- Asset management strategy and life cycle
- Asset management tools

Program

Data Centre Management Professional Training

Program Schedule



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