

Certified Data Centre Expert (CDCE) Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Certified Data Centre Expert (CDCE) training by Multisoft Systems is an advanced-level program designed for professionals seeking deep expertise in data center design, implementation, and management. This course provides a comprehensive understanding of modern data center infrastructure, including power systems, cooling technologies, redundancy planning, and high-availability architecture.

Module 1: Data Centre Life Cycle

- ✓ Data centre lifecycle stages and phases
- ✓ Stage/Phase/Milestone/Document mapping

Module 2: Design Preparation

- ✓ Creation of a SON – Statement Of Need
- ✓ Technology review
- ✓ Conceptual sizing
- ✓ How to calculate for computer room space
- ✓ How to calculate facility space
- ✓ How to calculate incoming power
- ✓ Conceptual sizing building and power
- ✓ Analysing capacity of existing facility
- ✓ Analysing investment options
- ✓ Site selection
- ✓ Permits and approvals
- ✓ Conceptual design
- ✓ Budget and project timeline
- ✓ Business case preparation
- ✓ Project delivery structure
- ✓ Project management options
- ✓ Project manager and team

Module 3: Design Planning

- ✓ OSRA – Operational Systems Requirement Analysis
- ✓ TFRA – Technical Facilities Requirement Analysis
- ✓ Operations and maintenance review
- ✓ RFP – Request for Proposal process
- ✓ Vendor selection

Module 4: Design Development

- ✓ Project planning
- ✓ Design development
- ✓ PDR – Preliminary Design Review
- ✓ Equipment selection
- ✓ FDR/V – Final Design Review/Validation
- ✓ Full design validation of power, cooling, floor plans, fire suppression
- ✓ Design freeze and LLTI
- ✓ Creation of construction documents
- ✓ BOM/BOQ – Bill of Material/Bill of Quantity
- ✓ Equipment selection

Module 5: Acquire

- ✓ Requirements of purchase orders
- ✓ Shipping terms
- ✓ FWT/FAT – Factory Witness Test/Factory Acceptance Test
- ✓ Sequencing
- ✓ Incoming goods inspection and handling
- ✓ Asset management

Module 6: Construct

- ✓ Temporary essential services
- ✓ Erection of the building
- ✓ Permanent essential services
- ✓ Building inspection
- ✓ Snag list
- ✓ COF – Certificate of Fitness

Module 7: Fit-Out

- ✓ Fit-Out
- ✓ Builders cleaning
- ✓ As-Built Drawings

Module 8: Test & Commissioning

- ✓ IET – Individual Equipment Test
- ✓ IPVT/IST – Integrated Performance Verification Test/Integrated Systems Test
- ✓ Common mistakes with IET/IPVT
- ✓ Deep cleaning
- ✓ IET/IPVT scripting

Module 9: Hand-Over

- ✓ Facility hand-over requirements and documents
- ✓ PCC – Practical Completion Certificate
- ✓ DLP – Defect Liability Period
- ✓ Defect Management
- ✓ ICT Systems Installation
- ✓ ICT Systems Testing
- ✓ Hand-Over/DLP Expiry
- ✓ FCC – Final Completion Certificate

Module 10: Retirement

- ✓ Reasons and definitions of retirement
- ✓ Building the business case and project plan
- ✓ Sequencing
- ✓ Transfer of site
- ✓ Demolishing of site
- ✓ Legal matters & FCC – Final Completion Certificate