

MODULE SYNOPSIS – WSDip in Data Centre Infrastructure & Operation

Course Objective

This course equips trainees with the skills, knowledge and professional attributes to manage data centre information/network system, monitor data centre operation and services, maintain internal documentation and perform independent first-level troubleshooting of recurrent issues to ensure smooth data centre operations.

Modules Synopsis

Data Centre Infrastructure & Operation
On completion of the module, trainees should be able to identify data centre infrastructure, perform data centre operation, as well as to identify data centre workplace safety and health.
Operating System (common module)
On completion of the module, trainees should be able to manage operating system, set up operating system services, as well as provide operating system maintenance.
Network Programmability (common module)
On completion of the module, trainees should be able to design network infrastructure, configure network and provide network maintenance.
Electrical System
On completion of the module, trainees should be able to manage energy supply, monitor power infrastructure installation and performance level, as well as localise power infrastructure fault.
Air-Conditioning & Mechanical Ventilation System
On completion of the module, trainees should be able to monitor temperature and humidity, maintain data centre hot and cold aisles and monitor air-conditioning for cooling tower / Air Handling Unit.
Fire Protection System
On completion of the module, trainees should be able to prepare for fire protection system inspection, monitor fire protection system installations and fire suppression system.
Service Operation Management
On completion of the module, trainees should be able to perform IT service lifecycle management, incident management and vendor relationship management.
Server & Storage Administration
On completion of the module, trainees should be able to manage server system, perform server administration and server/storage management.

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Company Project

On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

On-the-Job Training

On completion of the module, trainees should be able to apply the skills and knowledge acquired at ITE College and workplace to take on the full job scope, including supervisory function where appropriate, at the company.