Data Center Training for Everyone

As artificial intelligence and large models move to the heart of digital innovation, data centers are being reshaped to carry massive computational workloads, high-speed interconnects and the energy-intensive demands of AI training and inference. That shift puts real pressure on power density, thermal management, infrastructure scalability and day-to-day operational efficiency. Meeting it starts with understanding how AI workloads reshape facility design, and knowing the strategies that keep an AI-ready data center resilient, high-performing and energy-efficient.

This course works through data center facilities in a structured way: what the facility covers and where its boundaries lie, the metrics used to evaluate it, the power distribution and cooling solutions that keep it running, the auxiliary systems around them, and where cluster-oriented facilities are heading. Learners come away able to think clearly about scalability, efficiency and reliability in modern computing environments.

Duration : 2 hours

Course Objectives

By the end of this training, learners will be able to:

1. Define what a data center facility covers and where its boundaries lie.
2. Interpret the metrics most commonly used to assess data center infrastructure.
3. Explain how power distribution and cooling solutions work inside a data center.
4. Recognize the auxiliary systems that support facility operation.
5. Assess the energy outlook for cluster-oriented data centers.

Target Audience

- Data center and AIDC infrastructure engineers
- Channel partners, delivery agents and maintenance engineers working on data center / AIDC projects
- AIDC sales professionals

Course Content :