

Monitoring and Evaluation of Electrical Projects and Installations

COURSE OVERVIEW

This practical course is designed to enhance participants' ability to monitor and evaluate electrical projects and installations in line with international best practices, regulatory standards, and safety requirements. Delegates will gain hands-on knowledge in evaluating electrical design, installation quality, compliance, performance, and maintenance outcomes.

The course emphasizes the full project lifecycle—planning, execution, monitoring, and closure—ensuring that electrical works meet project objectives, budgetary requirements, and environmental and operational standards. It also explores the use of digital tools and real-time monitoring technologies.

WHO SHOULD ATTEND?

This course is suitable for Electrical Engineers, Project Managers, Site Supervisors, Technical Inspectors, Facility Managers, Quality Assurance Officers, and professionals responsible for overseeing electrical infrastructure projects in government, utility, construction, and industrial sectors.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Develop and apply monitoring frameworks for electrical projects
- Conduct inspections and evaluate compliance with electrical codes and safety standards
- Track project progress using cost, time, and performance indicators
- Identify and manage risks in electrical installations
- Document and report technical and quality control findings
- Apply evaluation insights to improve future projects and installations

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Standards and codes for electrical installations (e.g., IEC, NEC)
- Project monitoring frameworks: timelines, milestones, KPIs
- Inspection procedures, testing protocols, and quality benchmarks
- Evaluation of performance, load capacity, and energy efficiency
- Tools for fault detection and preventive maintenance planning
- Documentation, reporting, and regulatory compliance
- Use of smart sensors and digital tools for real-time monitoring
- Case studies of successful and failed electrical project implementations

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded