



Practical CCTV Installation

Course Introduction:

This course is designed to equip participants with the essential skills and knowledge needed to successfully install and configure closed-circuit television (CCTV) systems. As security concerns continue to rise across various sectors, the demand for effective surveillance solutions has become more critical than ever. This five-day course will cover the fundamental components of CCTV systems, installation techniques, and best practices to ensure optimal performance and reliability.

By the end of the course, attendees will be proficient in installing, configuring, and troubleshooting CCTV systems, enabling them to provide effective security solutions for residential, commercial, and industrial applications.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the components and applications of CCTV systems.
- Conduct effective site surveys and develop installation plans.
- Install and configure various types of CCTV cameras and recording devices.
- Integrate CCTV systems with other security solutions.
- Implement maintenance procedures to ensure system longevity and performance.

Who Should Attend?

This course is intended for Security technicians and installers, Facility managers and security personnel, IT professionals involved in security systems, Students and individuals pursuing careers in security technology and Business owners looking to implement CCTV solutions for their premises.

Course Outline:

Day 1: Introduction to CCTV Systems

- Overview of CCTV technology and its applications
- Understanding different types of CCTV cameras (analog, IP, PTZ)
- Key components of a CCTV system: cameras, recorders, monitors, and cabling
- Overview of relevant laws and regulations regarding surveillance

Day 2: Planning and Site Survey

- Conducting a site survey for CCTV installation
- Assessing security needs and determining camera placement

- Developing a comprehensive installation plan
- Understanding power supply and network requirements

Day 3: Installation Techniques

- Hands-on training in mounting cameras and equipment
- Running and securing cabling: coaxial vs. Ethernet
- Configuring DVRs/NVRs for recording and playback
- Practical exercises on aligning and adjusting camera angles

Day 4: System Configuration and Integration

- Setting up IP cameras and configuring network settings
- Integrating CCTV systems with alarms and access control
- Utilizing software for remote viewing and management
- Troubleshooting common installation issues

Day 5: Maintenance and Best Practices

- Regular maintenance procedures for CCTV systems
- Understanding storage management and data retention policies
- Best practices for ensuring long-term system reliability
- Final assessment and hands-on project presentation

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

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