



INTERSOFT

TECHNICAL INSTITUTE

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CCTV INSTALLATION TRAINING COURSE MATERIAL

MODULES	COURSES	FULL DAY 6 HRS
MODULE S1	CCTV SECURITY BASIC	1.5
MODULE S2	CCTV INSTALLATION	1.5

Terms & Condition:-

- ⇒ Registration Fees 1000/- Extra On Any Course
- ⇒ Reserve Seat before class and take online class
- ⇒ Course content, Fees & chapter may be change without prior notice

MODULE S1:

CCTV SECURITY BASIC

Basic of Electronics

- Ac , Dc Volt, Ampear, Types Of Circuit
- Close, Open Short, Series, Parallel Circuit
- Multimeter Used, Testing Wire Ok
- Resistance Measure, Wiring Concept
- Types Of Material, Conductor, Semi Conductor, Insulator
- Measurement Unit

Introduction to (CCTV) Close Circuit Television

- Why CCTV Required, Basic Used Of CCTV
- Where CCTV Used
- Block Diagram Of CCTV Infrastructure
- Material Used to Setup CCTV Network

Types of Cameras (Analog, Digital, IP camera)

- Dome Security Camera
- Outdoor Security Camera
- Bullet Camera's
- Speed Dome Cameras
- C /CS Mount Cameras
- Day & Night Camera
- (PTZ) Pan Tilt Zoom Camera
- Network IP Camera
- Wireless Security Camera
- Hidden Security Camera
- IR Camera
- IR Dual Camera
- Zoom Cameras
- Water Proof Cameras
- Camera Types Video Class

Selecting cameras as per situation

- Night view
- Day view

- Out door view
- Indoor view
- Moving view
- Inside water
- Water resistance
- Zoom view

Types of Device (Selecting Device)

- PCI Card, Analog DVR,
- Hybrid DVR For HDD Camera,
- NVR, Mini DVR, IP DVR
- Hard disk size calculation
- Total camera

Types of Cable Connection

- Types of Transmission Media
- Coaxial Cables, Twisted Pair,
- Fiber Optic Cables, RCA /DIN /HDMI
- RG6, RG11, RG58, RG59 Coax Cables

Types of connectors

- BNC, DC Pin, Bullon Pin,
- RG 45 Connector, RG 59 connector

Introduction to tools

- Crimping Tools, Wire Stripper,
- Wire Cutter, Screw Drivers,
- Electric Drill Machine, Screws Sets,
- Multimeter, Allen Key for Camera Hanging,
- Cable Tie, You Pin ,
- Wire Tape Soldering Iron,
- Jumper Wire, Flux

Adapter types DVR adapter, Camera adapter

- Adapters Explanation, Ampear Volt Measure,
- Depend On Camera And Hard Disk

MODULE S2:

CCTV INSTALLATION (Analog, HD , AVI)

Site Analyze

- Standards in CCTV system designing
- Requirement of Camera
- Day / Night / zoom / moving / water proof / indoor / outdoor
- Distance Calculation
- Hard Disk space calculation
- Total Camera,
- Adapter Types total volt ampear calculation
- Video compression (Hard disk calculation)
- Video resolution
- Voltage drop calculation
- Bandwidth calculation
- Device Analysis (4channel, 8 16)
- Coverage Analyze

Installation Camera Cabling, Connecting Camera

- Demo Of Different Camera Installation
- Lense Adjusting, Cabling Distance,
- Cabling Setup, Drilling
- Installing Camera

DVR SETUP

- Time Setting, User Management DVR
- Security, Hard Disk Management, Network Setup,
- Motion Detection Setup,
- Alarm Setup, User IP Setup

OTHER ADVANCE CCTV COURSE

MODULE S3:

CCTV INSTALLATION (Analog, HD , AVI)

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