

CCTV CAMERA INSTALLATION TRAINING



Duration	30 days
Course Type	Regular / Fast Track / Weekend
Timing	Regular : 1.00 Hrs Fast Track : 2.00 Hrs Weekend : 4.00 Hrs
We Provide	<p>Common: Course Materials Troubleshooting/Installation Manuals & ID Card Worldwide Online Verification Certificate</p> <p>Job Support: Job Reference as per Job provider's requirement.</p> <p>Self Employment Whole Sale Materials Purchase Address</p>

CLASS	TOPICS
SESSION-1	CCTV INTRODUCTION: <ul style="list-style-type: none"> <input type="checkbox"/> What is Security Systems, <input type="checkbox"/> What is Security Systems, <input type="checkbox"/> How to Select a CCTV Camera, <input type="checkbox"/> Peripherals available in the Security Systems, <input type="checkbox"/> History of CCTV Cameras, CCTV Uses, <input type="checkbox"/> Indore & Out door CCTV Systems, <input type="checkbox"/> Measured Resolution ,Monitor & CCTV Resolution <input type="checkbox"/> CCTV Manufacturing Companies <input type="checkbox"/> CCTV Spare parts & Accessories <input type="checkbox"/> Basic Units & Lx
SESSION-2	TOOLS & SPARES: <ul style="list-style-type: none"> <input type="checkbox"/> CCTV Installation Tools-Video Class <input type="checkbox"/> Cable Laying Tools-Video Class <input type="checkbox"/> Chip Level Servicing Tools-Video Class <input type="checkbox"/> Band Width Compression-Reference Video <input type="checkbox"/> Balance Tools to Explain into PPT Type
SESSION-3	CCTV CAMERA MODELS & TYPES: <ul style="list-style-type: none"> <input type="checkbox"/> Explain Various Camera and its categories PPT Class <input type="checkbox"/> B&W Security Camera, Color Security Camera, <input type="checkbox"/> Dome Security Camera, Outdoor Security Camera <input type="checkbox"/> Pan Tilt Zoom Camera (PTZ),Network IP Camera <input type="checkbox"/> Wireless Security Camera, Hidden Security Camera <input type="checkbox"/> C /CS Mount Cameras, Day & Night Camera, <input type="checkbox"/> IR Camera, IR Dual Camera, Speed Dome Cameras. <input type="checkbox"/> Zoom Cameras, Bullet Camera's, Full Size Camera's, <input type="checkbox"/> Fixed Size Camera's, Camera Introduction-Video Class <input type="checkbox"/> 2 Reference about CCTV Camera –Video
SESSION-4	CCTV ADVANCED CAMERA ENQUIPEMENTS:- <ul style="list-style-type: none"> <input type="checkbox"/> Explain Various Types of Latest Cameras <input type="checkbox"/> Spy Camera, Under Water Camera, <input type="checkbox"/> Remote Joysticks, Digital, Mini USB Camera, <input type="checkbox"/> Clock Camera,Mico CMOS Camera, <input type="checkbox"/> Mini DV Camera,HD Recorder & Etc <input type="checkbox"/> What is Dynamic Range of CCTV-Reference Video Class <input type="checkbox"/> How to Install Spy & Hidden Camera-2 Ref. Video Class & PPT Class

SESSION-5	CAMERA LENS:- <ul style="list-style-type: none"> <input type="checkbox"/> What is CCTV Camera Lens <input type="checkbox"/> Lens Types Manual Iris Lens ,Auto iris lens, <input type="checkbox"/> ZOOM lens,Machine Vision Mega Pixel Lens <input type="checkbox"/> Sigma lens, Camera digital lens, <input type="checkbox"/> Pinhole Lens, Optical, Lens, Monofocal Lens. <input type="checkbox"/> C or CS Mount Lens, Video Drive Lens <input type="checkbox"/> Direct drive lenses <input type="checkbox"/> Focal Length, Depth of Field, <input type="checkbox"/> Formula of Lens Calculation <input type="checkbox"/> Various Lens Difference Explanation by Pictures <input type="checkbox"/> Resolution explanation, D1,CIF,QCIF Pictures <input type="checkbox"/> Lens Related Glossary <input type="checkbox"/> Lens Explanation 2 Reference Videos
SESSION-6	LIGHTING CONCEPTS:- <ul style="list-style-type: none"> <input type="checkbox"/> What is Lighting <input type="checkbox"/> Lighting Concepts <input type="checkbox"/> Sources of Lights <input type="checkbox"/> What is Color <input type="checkbox"/> Infrared and its Explanation <input type="checkbox"/> Color and Monochrome <input type="checkbox"/> Light & Surface <input type="checkbox"/> Reflections Concepts & Its Types <input type="checkbox"/> Illumination Concepts & Measurements <input type="checkbox"/> Lighting, Illumination 2 Reference Videos <input type="checkbox"/> Depth of Fields, Field of View 2 Reference Videos
SESSION-7	ADAPTER DETAILS: <ul style="list-style-type: none"> <input type="checkbox"/> Various Voltages Need for Cameras Like 12,24,12v AC <input type="checkbox"/> Types of Power Supply Like <input type="checkbox"/> Individual Plug in Transformers, Power Over Ethernet, <input type="checkbox"/> Relay Model, Timer Model, Rack mount Model <input type="checkbox"/> Power supply Liberator & Etc. <input type="checkbox"/> Camera Power Supplies, Half Wave,Fullwave,Fullwave Bridge Rectifier Explanation –Video Class <input type="checkbox"/> Stand Alone Adapter Working Func
SESSION-8	CCTV MONITORS:- <ul style="list-style-type: none"> <input type="checkbox"/> What is CCTV Monitors & Its Advantages

	<input type="checkbox"/> Difference Between CCTV Monitor & Commercial Monitor <input type="checkbox"/> Pixels Explanation, NTSC & PAL Standard, Monitor Resolution, Types of Monitor (B&W,Color) , <input type="checkbox"/> Various Size of the Monitors <input type="checkbox"/> Frame Rate ,Resolution, Display 3 Reference Video
SESSION-9	TRANSMISSION MEDIUM (CABLES/WIRELESS):- <input type="checkbox"/> What is Transmission Media/Guided Media <input type="checkbox"/> Band width Comparison, <input type="checkbox"/> Types of Transmission Media like Open Wire, <input type="checkbox"/> Twisted Pair, Coaxial Cables <input type="checkbox"/> Fiber Optic Cables, Adapters Explanation <input type="checkbox"/> RCA /DIN /HDMI /RG6, RG11, RG58, RG59 Coax Cables <input type="checkbox"/> Wireless Transmitter & Receiver <input type="checkbox"/> Various Types of Wireless Channels Transmitter/Receiver <input type="checkbox"/> How to set the BNC with Coaxial Cable Connector –Video Class <input type="checkbox"/> How to check the Connected Cables using Multi meter –Video Class <input type="checkbox"/> Bulk Low Voltage Cable-Videos
SESSION-10	CCTV CAMERA CONNECTIVITY METHOD: <input type="checkbox"/> Switcher Assembled Concepts, Advantage, Disadvantage <input type="checkbox"/> Switcher Readymade Concepts <input type="checkbox"/> Quad Splitter Concepts, Types:-B&W, Color, VGA <input type="checkbox"/> Times Laps VCR,DVR Stand Alone Types-VGA, HDMI Model <input type="checkbox"/> Multiplexer Concepts <input type="checkbox"/> Camera Connectivity Method <input type="checkbox"/> Single Camera Connection by Video Class <input type="checkbox"/> 4 Channel Quad –Ref. Videos <input type="checkbox"/> Mini Quad Color –Ref. Videos
SESSION-11	SWITCHER (CUSTOMISED) <input type="checkbox"/> Customized Switcher Box & Readymade Switcher Box Difference Full Video Class
SESSION-12	SWITCHER (CUSTOMISED BLOCK DIAGRAM,CONNECTIVITY) <input type="checkbox"/> Customized Switcher Box Block Diagram & Connectivity Method by Chip level Explanation Full Video Class
SESSION-13	SWITCHER (CUSTOMISED CCTV- AUDIO AMPLIFIER) <input type="checkbox"/> How to Connect Audio Amplifier Board with Customized Setup Box by Chip level Explanation Full Video Class

SESSION-14	SWITCHER (READYMADE) <ul style="list-style-type: none"> <input type="checkbox"/> How to Connect Switcher with CCTV Camera <input type="checkbox"/> Types of Switcher Like 4 Way Manual Video Switcher <input type="checkbox"/> 8 way Manual Switcher, Sequential Switchers <input type="checkbox"/> Sequential Switcher (Position Premium),Digital Media Switcher (High end Switches),Wideband RGB Matrix Switcher, RCA Cable Switcher, IP Matrix Switch <input type="checkbox"/> RF Matrix ,Analog Switch Inside Block Diagram, Pin Detail, 8x8 Matrix Switcher –Ref. Video, Matrix Remote CCTV Ref. Video, Various Models Switcher Datasheet for Download
SESSION-15	QUAD -SPLITTER <ul style="list-style-type: none"> <input type="checkbox"/> What is CCTV Quad Splitter <input type="checkbox"/> Connect using Monitor with Quad Systems <input type="checkbox"/> Connect using Monitor/VGA with Quad Systems <input type="checkbox"/> Types of Quad like B&W, Color <input type="checkbox"/> Quad connect camera 4 No –Video Class <input type="checkbox"/> Quad Dis-Assemble & Assembling Video – Video Class
SESSION-16	MULTIPLEXER <ul style="list-style-type: none"> <input type="checkbox"/> What is Multiplexer <input type="checkbox"/> Functions of Multiplexer Like Encoding, Decoding & Etc <input type="checkbox"/> Types of Multiplexer like Simplex, Duplex, Triplex <input type="checkbox"/> 16 port Multiplexer Connection Diagram <input type="checkbox"/> What are the Display Modes available in CCTV <input type="checkbox"/> 4 Channel B&W Duplex CCTV Multiplexer Concepts <input type="checkbox"/> Others Like 4 Channel Color Duplex CCTV Multiplexer , <input type="checkbox"/> 6 Channel Color Duplex CCTV Multiplexer, <input type="checkbox"/> 9 Channel B&W Duplex CCTV Multiplexer, <input type="checkbox"/> 9 Channel Color Duplex CCTV Multiplexer, <input type="checkbox"/> 10 Channel Duplex CCTV Multiplexer, <input type="checkbox"/> 16 Channel B&W Duplex CCTV Multiplexer, <input type="checkbox"/> 16 Channel Color Duplex CCTV Multiplexer <input type="checkbox"/> 16 Channel CCTV Multiplexer –Ref.Video <input type="checkbox"/> Multiplexer model2-Ref.Video <input type="checkbox"/> Various Models Multiplexer Datasheet for Download
SESSION-17	DVR (DIGITAL VIDEO RECORDER) CARD <ul style="list-style-type: none"> <input type="checkbox"/> Connection Diagram for DVR Card (Software based) <input type="checkbox"/> System Requirement for DVR Card Installation <input type="checkbox"/> Types of DVR Card like BNC,VGA,DVI Model

	<input type="checkbox"/> DVI Port Pin Details <input type="checkbox"/> Various Channel DVR Card Types, Video Output, Specification and Model Explanation <input type="checkbox"/> Laptop DVR Card Concepts <input type="checkbox"/> DVR Wireless Kit Concepts <input type="checkbox"/> Recording format Jpeg, Mpeg Difference <input type="checkbox"/> How to Set Dynamic DND-Reference Video
SESSION-18	DVR CARD INSTALLATION <input type="checkbox"/> Details Explanation of DVR Card One model Installation Full Visual PPT Class
SESSION-19	DVR STAND ALONE:- (CHIPLEVEL CLASS):- <input type="checkbox"/> What is DVR Stand Alone, How DVR Works, DVR Future <input type="checkbox"/> Working Block Diagram of DVR Stand Alone device <input type="checkbox"/> Digital Recording systems Block Diagram using DVR <input type="checkbox"/> Various Models Showing <input type="checkbox"/> 1.Stand Alone DVR Full Configuration -PART1 -Video Class <input type="checkbox"/> 2.Stand Alone DVR Full Configuration -PART2 -Video Class <input type="checkbox"/> 3.Stand Alone DVR Full Configuration -PART3 -Video Class <input type="checkbox"/> 4.Stand Alone DVR Full Configuration -PART4 -Video Class
SESSION-20	WIRELESS CAMERA (CHIP LEVEL CLASS):- <input type="checkbox"/> How to Connect Wireless Camera Installation-Video Class <input type="checkbox"/> Chip level Service of Wireless Camera-Video Class
SESSION-21	CCTV NETWORKING:- <input type="checkbox"/> What is Remote CCTV Networking <input type="checkbox"/> How to Connect Single & Multi Camera remote Diagram <input type="checkbox"/> Need of CCTV Monitoring System <input type="checkbox"/> Advantage of CCTV Monitoring System <input type="checkbox"/> Remote Server Concepts <input type="checkbox"/> NVR Concepts <input type="checkbox"/> Networking Software's sample <input type="checkbox"/> Various Data Networks Comparison <input type="checkbox"/> Wireless Access point Concepts <input type="checkbox"/> Networking Related Glossary
SESSION-22	IP CAMERA:- <input type="checkbox"/> What is IP Camera <input type="checkbox"/> Advantages of IP Camera <input type="checkbox"/> Installation of IP Camera <input type="checkbox"/> How To Setup Your DVR For Remote View-Ref.Video

	<input type="checkbox"/> IP Camera Configuration Remote Access-Ref.Video <input type="checkbox"/> IP Camera Network Configuration Tutorial-Ref.Video <input type="checkbox"/> CCTV IP Camera I Phone Application-Ref.Video <input type="checkbox"/> I Phone Demo with IP camera-Ref.Vide <input type="checkbox"/> Remote viewing cctv systems on the I-Phone4-Ref.Video
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<p><u>CHIP SYSTEMS</u> Old No.107,New No. 194,Ground floor, Lake View Road, West Mambalam, Chennai-33 Tamilnadu, INDIA (Near Postal colony 3rd Street) Phone: 044-2474 3860. Cell : +91-98410 99911, Cell : +91-94440 34246. Email : admin@chipsystems.in</p>	<p><u>CHIP TECHS</u> Old No.107,New No. 194,Ground floor, Lake View Road, West Mambalam, Chennai-33 Tamilnadu, INDIA (Near Postal colony 3rd Street) Phone: 044-2474 3860. Cell : +91-98410 99911, Cell : +91-94440 34246. Email : admin@chipsystems.in</p>
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