



## -: CCTV Surveillance Technology :-

Suraksha Institute Of Technology Provide Theory & Practical Training on different type of CCTV Camera Installation, Configuration & Repairing Services. This Training will be provided from Basic Certificate Course – Level 1 Certified CCTV Surveillance Technician [ CCST ], After Level 1 of Basic Certificate Course student can go for Level 2 Professional Diploma In CCTV Surveillance Technology [ PDCST ] which will give you more detail and industrial exposer of CCTV Technology ,after Level 2 student will go for level 3 Advance Diploma in Surveillance Technology [ ADST ] , ADST is Job oriented course , This course will provide training on OMS / RMS / VMS technology and cover all type of CCTV Camera Technology and also give 3 month on site industrial training and camera installation in project work.

We will provide you 100 % Placement Commitment in CCST & PDCST Courses. And in Student who join 1 year Advance Diploma in Surveillance Technology will get 100 % placement in reputed company after successfully completing the course or they can start there own business in CCTV Camera Installation. Institute will provide all required support in Sales Inquiry , material sources and Financial support.

### Who Should Attend?

Anyone with an interest in IP should attend. Whether you are a technician, engineer, sales consultant, specifier or operator this training course will provide you with a solid base to further your career. All are welcome.

## ❖ Advance Diploma Surveillance Technology [ ADST ]

### ➤ Course Overview

This Course Focus on Knowledge of Total Coverage of Technical detail about Surveillance Technology use in Industries / Corporate office / Hospital / Government Projects and other places . This will cover about OMS – Operation & Maintenance Services / RMS – Remote Monitoring Services / CMS – CCTV Management Services. ADST will provide 100 % Job Placement Commitment to all the Student. How to do Site Visit , Design the Connectivity diagram , Solution Layout . How To prepare the Sales Quotation , Government Tenders Bidding , Marketing material , customer meeting . ADST will cover all type of Cameras of diff. company like Dahua / CP Plus / Hikvision / Samsung / Axis / Trueview / Panasonic / Honeywell with their Recording M/c , Software , Connectivity Diagram.



## ➤ Course Content

### Module 1 - CCTV Camera

- What is Analog CCTV & IP Camera
- How to Plan Site Visit and Check List.
- Type of CCTV Camera
- Assembling CCTV Camera
- Installation Process of CCTV

### Module 2 - Diff. Type of Tools & There Use

- How to Tool Kit List
- Minimum Required Tools for CCTV Maintenance
- How to use Multi meter
- How to Use Drilling Machin / Screw driver Machin / Hot Air Gun.
- How to Use Cable Tester.

### Module 3 - Power Supply

- Type of Power Supply
- Connection of Power Supply
- Voltage and Current
- Video and Amp. Drop

### Module 4 – Cable & Junct

- Type of Cable
- Gauge of Cable
- Use and application of Cable
- Type of Diff. Junction Box
- Use and application of Junction Box

### Module 5 - DVR (DIGITAL VIDEO RECORDER)

- Diff. Type of DVR and There Functions ..Ref.Video
- Connection Diagram for DVR
- Operating of DVR
- DVI / VGA / HDMI Port Pin Details
- Various Channel DVR Types, Video Output
- Specification and Model Explanation
- Recording format Jpeg, Mpeg Difference
- How to Take Backup in USB Pen Drive.
- How to Set Dynamic DND and Online Mobile View Software.

### Module 6 - CCTV Networking & NVR – Network Video Recorder

- What is Remote CCTV Networking
- How to Connect Single & Multi Camera remote Diagram
- Need of CCTV Monitoring System
- Advantage of CCTV Monitoring System
- Remote Server Concepts
- NVR Concepts
- Networking Software's sample
- Various Data Networks Comparison
- Wireless Access point Concepts
- Networking Related Glossary

### Module 7 - IP Camera

- Advantages of IP Camera
- Installation of IP Camera
- How To Setup Your DVR For Remote View-Ref.Video
- IP Camera Configuration Remote Access-Ref.Video
- IP Camera Network Configuration Tutorial-Ref.Video/li>
- CCTV IP Camera I Phone Application-Ref.Video
- I Phone Demo with IP camera-Ref.Vide
- Remote viewing cctv systems on the I-Phone4-Ref.Video

### Module 8 - Wifi Camera

- Introduction
- Installation of wifi camera
- Installation of Camera Software
- Networking of wifi camera Setup
- Connectivity of wifi Wireless camera

### Module 9 - CCTV Project Planning

- Site Visit For CCTV Camera Installation
- Prepare Bill of Material
- Prepare Layout and Connectivity Diagram



## Module 10 – Site Visit For CCTV Camera Planning

- Hospital Site Visit for CCTV Camera
- Industrial Site Visit for CCTV Camera Project
- Hotel Site Visit
- Road Traffic and RTO Number Plate Camera Project.

## Module 11 – Sales Quotation

- How to prepare Sales Quotation
- How to Source the material
- Manpower Planning & Costing.

## Module –12 Time Attendance& Access Control

- Access Control Introduction
- Required Tools Of Access Control
- How to use Settings Face recognition Device
- How to use Settings PAM Access Control Device
- How to use Settings Figure Print Access Control Device
- How to use Settings RFID Card & PIN Device
- Etime track lite Software Installation
- How to Configure IP Address
- How to Add Device etime track lite Software?
- How to Operating etime track lite Software?
- Door access Control Introduction
- How to connect EM Lock with Door with Different types Of Devices
- Wireless & GSM Base Access Control Devices.

## Module – 13 Spy Camera

- Diff. Types of SPY Camera.
- Wireless Spy Camera
- Advantages of SPY Camera.
- Baby Monitoring Camera.

## Module –14 Internship – 2 Month

- In This module Student need to place at any of the Industries / corporate office / CCTV Field Maintenance / Access Control Projects for practical onsite installation experience.

## Module – 15 – CCTV OMS – Operation and Maintenance Servies.

- CCTV Camera Routing Preventive Services
- Fault Finding of Analog CCTV Camera
- Fault Finding of IP Network CCTV Camera
- Daily Checklist of CCTV Maintenance activity
- Water proofing of CCTV Camera

## Module – 16 – CCTV RMS – CCTV Remote Monitoring Services.

- RMS Control Room Setup
- LAN Connectivity
- WAN Connectivity
- Daily Checklist of RMS Activity.
- Alarm Testing and Log.
- 2 Way Audio and Video Setup.
- ERS – Emergency Response Services.
- Banking ATM – RMS Services Case Study.

## Module –17 CCTVCMS – CCTV Maintenance Services

- How to prepare CMS AMC Contract.
- How to do the AMC Customer site visit and check list.
- Preventive Maintenance of CCTV Camera.
- Repairing of DVR / NVR Cards PCB
- Repairing of Camera PCB
- Repairing of Power Supply PCB.

## Module – 18 Wifi 4G CCTV Camera Solutions

- How to Design Wireless CCTV Camera Solutions.
- Advantages of Wireless CCTV camera Solutions.
- Corporate Office Wireless Camera Solution.
- Industrial Wireless Camera solutions.

## Module – 19 Solar CCTV Camera Solutions

- Solar CCTV Camera Specification.
- Technical Connectivity Diagram
- Power Supply and Network Connection.
- Advantages of Solar CCTV Camera.
- Area where Solar Camera can be Used.



## Module – 20 Road Traffic and Number Plate RTO Project

- Vehicle Number Plate Recognition Camera.
- RTO E Challan Project.
- Toll Tax Camera solutions.
- Road Traffic Monitoring Camera.
- Highway Security and Accident Management

## Module – 21 Special CCTV Camera [ Thermal / Under Water Camera / Drone / Medical ]

- Type of Thermal Camera.
- Advantages of Thermal Camera.
- CCTV Surveillance through Thermal Camera.
- Army / Navy Border Security through CCTV Surveillance.
- CCTV Drone Camera .
- Advantages of Drone CCTV Camera Surveillance.
- Government Police Approval Lic. Process go get CCTV Drone Camera.
- Medical CCTV Camera Solutions.

## ➤ Eligibility & Duration

### Eligibility

**Minimum Education** :-Std 10th and above. / ITI Electrician / ITI Wireman / Diploma Electrical / Diploma IT / BSC IT / BBA / BE IT / BE Electrical .

**Age** :- 18 to 35 years.

### Duration:

12 Months (4 Months Class Room Training + 4 Month LAB Practical + 4 Month Internship ) Daily 1 Hrs Class or LAB Practical [ Monday to Friday ].

### Course Fee:-

Scholarship / Education Loan / EMI Facility is Available.

**For Special Discount & Registration , Call or What's up on 9879141234.**

## ➤ JOB Role

- 100 % Job Placement Commitment , Minimum Starting Monthly Salary will be Rs.7000 to Rs.10000/-.
- CCTV Engineer / CCTV Project Manager / CCTV Sales Manager / CCTV OMS Engineer / CCTV Field Service Supervisor.
- Student can start Their Own Business , Self-Employment [ All Required Support will be Provided by Institute].