

CCTV Technician

This CCTV Technician webinar was organized on the year of 2017-18 by Centurion University of Technology and Management.

CCTV Technician

25th May 2018

Centurion University of Technology and Management



Pre-requisites: Nil
 Course Type : Audit (Workshop)
 Duration : 30 Hours

Course Objectives:

- Familiarization with the work environment and challenges for an CCTV technician
- Familiarization to the principles, materials, components, and tools required
- Develop an end-to-end technical understanding to execute CCTV installation
- Complying to the CCTV installation specifications, guidelines and safety standards during work

Learning Outcomes:

- Identify the role and responsibilities of CCTV technician
- Implement the knowledge of the basics of electronics components used in DVR and camera
- Use wiring skills as per the wiring diagram
- Concept about installation of CCTV .
- Illustrate how to work efficiently with superiors and colleagues
- Comply with the safety procedures and standards to be followed while working

| Module | Contents | Duration |
|--------------|--|-----------------|
| Module-1 | <ul style="list-style-type: none"> • Basics of security surveillance • Big picture about the latest trend on the CCTV , Its importance in todays life and future scope • Explain the facts of video surveillance. • Practice Explain and construct various nodes of CCTV surveillance system • Functions of video surveillance system • Overview of the components used in the CCTV , detail construction of the camera and the detail construction of the DVR, Constructing of a video surveillance system. • Explain function of blocks and equipment required to implement a video surveillance system. | 10 hours |
| Module-2 | <ul style="list-style-type: none"> • Classification of the lens and the image sensor , its working and specification, Different types of lens and their utility. • Practice Differentiate & select the best camera from the same group depending on the image quality being measured by TVL chart. • Practice Selecting a camera for higher security application • Project-Phase I (10hrs) • Customer Requirement, Bill of Materials (BoM), purchase order (PO) and Procurement • DVR • Overview of the DVR its parts data cables , basic classification of the DVR board and connecting terminals, DVR as interface to view and record the image transmitted by a camera. • Practice The function of various blocks of DVR. | 10 hours |
| Module-3 | <ul style="list-style-type: none"> • Overview of the software, different feature of the software and the setting of the software for the back up and monitoring system. • Practice To install the appropriate software for IP network or remote monitoring • Practice To enter the appropriate IP address to receive the video signals through IP network / internet | 10 hours |
| TOTAL | | 30 hours |

Anita Patra

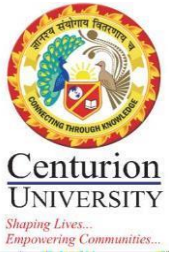


Dr. Anita Patra, Registrar, CUTM

Shekhawat



Convener



Name of the event: CCTV Technician

Total number of participants: 50

Date : 22/05/2018

A CCTV (closed-circuit television) system allows the use of videos cameras to monitor the interior and exterior of a property, transmitting the signal to a monitor or set of monitors.

Outside of being able to monitor your premises, CCTV cameras as deterrents is probably one of their most recognized benefits. Just like seeing a mounted alarm system, an intruder seeing cameras may decide that it's easier and safer to move elsewhere. It's much better to prevent intrusion than dealing with it after it's occurred.

“Most criminals are pretty de organized, they don't think about it. The reason the cameras are high is two-fold. One is to keep it out of harm's way.”

One study found that using CCTV in car parks resulted in a 51% decrease in crime; in public transportation areas a 23% decrease in crime; and in public settings, a 7% decrease in crime.

Even the lowest figure, 7%, is a significant improvement.



Basics of CCTV Installation

The CCTV Technician course under the PMKVY scheme comes under the Automotive Skills Development Council (ASDC). The details have been provided with a Qualification Pack & Model Curriculum by ASDC, which entails all the topics to be covered in the course not only theoretically but also practically.

The trainers were instructed accordingly to strictly follow the Model Curriculum while conducting the theory and practical classes

This is a practical and theory training program. The main aim of this program is to impart relevant skills to students. As part of this program, students are trained in areas such as – CCTV hardware, software, installation, maintenance and operation.

Here are some of the crucial steps involved in the process –

- Selecting the right CCTV system (as per the needs of the customer)
- Connecting cameras using cable
- Configuring the network
- Configuring the recording device

TOPICS DISCUSSED & IT'S IMPORTANCE

1. Importance of CCTV Points Discussed:

- a. What is CCTV?
- b. Different Types of CCTV?
- c. Components used in CCTV Installation?
- d. How is it performed?
- e. General Terms used in CCTV Installation
- f. Safety precautions to be taken

A skilled CCTV technician is knowledgeable about the above mentioned aspects. A good CCTV technician course will train you in the above mentioned areas.




Convener



Dr. Anita Patra, Registrar, CUTM



Name of Event: CCTV Technician

Organized by: Centurion University of Technology and Management

Date: 25 May 2018

Event Description: This CCTV Technician webinar was organized in the year of 2017-18. By Centurion University of Technology and Management.

List of Participants:

| S. No. | Name | Reg. No. | Presence |
|--------|----------------------------------|--------------|----------|
| 1 | ABDUL RAZAK | 170301150002 | Present |
| 2 | RITWIK PARIJA | 170301150003 | Present |
| 3 | SIBANANDA DAS | 170301150005 | Present |
| 4 | SAGAR KUMAR MAJHI | 170301150007 | Present |
| 5 | UDDESH KUMAR PATI | 170301150008 | Present |
| 6 | AMIYA RANJAN THAKUR | 170301150009 | Present |
| 7 | RUDRA NARAYAN GIRI | 170301150011 | Present |
| 8 | MILAN PRUSTY | 170301150012 | Present |
| 9 | PRITAM KUMAR TRIPATHY | 170301150014 | Present |
| 10 | SIDDHARTH MISHRA | 170301150016 | Present |
| 11 | ABHISEK MOHANTY | 170301150017 | Absent |
| 12 | DEEPSHIKHA NAYAK | 170301150018 | Present |
| 13 | AMIT KUMAR | 170301150019 | Present |
| 14 | SITARAM BEHERA | 170301150020 | Present |
| 15 | AYUSH KUMAR | 170301150022 | Present |
| 16 | NITYA RANJAN BAL | 170301151023 | Present |
| 17 | SUDIP BANGAL | 170301151024 | Present |
| 18 | ABINASH BARIK | 170301151025 | Present |
| 19 | BADRI BISHAL NANDA | 170301151026 | Present |
| 20 | SUKHETRA RANJAN SAHU | 170301140001 | Present |
| 21 | AMBIKESH PRATIKHYA RANJAN PARIDA | 170301140002 | Present |
| 22 | SANDEEP DEHURY | 170301140004 | Present |
| 23 | SONALI MISHRA | 170301140006 | Present |
| 24 | SUBHRAJEET NAYAK | 170301140007 | Present |
| 25 | POOJA MAHARATHA | 170301140010 | Absent |
| 26 | SANDEEP PRADHAN | 170301140012 | Present |

| | | | |
|----|----------------------------|--------------|---------|
| 27 | BINAMRA BIKASH SWAIN | 170301140013 | Present |
| 28 | RUDRA PRATAP PADHI | 170301140014 | Present |
| 29 | SABYASACHI DALABEHERA | 170301140016 | Present |
| 30 | DARSHIKA SAMAL | 170301140017 | Present |
| 31 | AMBIKESH PRASAD | 170301140018 | Present |
| 32 | ANSHUMAN PATTNAIK | 170301141019 | Present |
| 33 | CHINMAY PADHI | 160301140031 | Present |
| 34 | ABISHEK NAYAK | 160301141033 | Present |
| 35 | JAGANNATH PANDA | 160301141035 | Present |
| 36 | MANORANJAN SUKLA | 160301141036 | Present |
| 37 | BISHAL JOYSWAL | 160301141037 | Present |
| 38 | RANJIT BHOOSHAN NAYAK | 180301150001 | Present |
| 39 | B. ESWAR | 180301150002 | Present |
| 40 | BISWAJEET BHATT | 180301150003 | Present |
| 41 | CHANDAN SWARUP NAYAK | 180301150004 | Present |
| 42 | SATYABRATA BEHERA | 180301150005 | Present |
| 43 | PRIYANKA PRIYADARSINI LAHA | 180301150006 | Present |
| 44 | SOUMYARANJAN SAHOO | 180301150007 | Present |
| 45 | ASHISH KUMAR LENKA | 180301150008 | Present |
| 46 | SAGAR KUMAR RATH | 180301150009 | Present |
| 47 | G.SAI KRISHNA | 180301150010 | Absent |
| 48 | BISWSAJIT NAHAK | 180301140001 | Present |
| 49 | PADALA VENKATESH | 170101120058 | Present |
| 50 | SAROJ KUMAR NAYAK | 170101120059 | Present |

Anita Patra



Dr. Anita Patra, Registrar, CUTM

[Handwritten Signature]



Convener