ITU Centres of Excellence Network for Africa

Digital Bridge Institute

Face-to-Face (Blended) Training Course on

DESIGN AND IMPLEMENTATION OF SYSTEM SECURITY USING IP CAMERAs
Abuja, Nigeria

16-20 September 2019

TRAINING OUTLINE

COURSE DESCRIPTION

Title	Design and Implementation of Security Systems using IP Camera
Objectives	Design and Implementation of Security Systems using IP Camera is a course particularly designed to enable participants, students and workers gain knowledge and competence in design and implementation of Security System using IP Camera for organizations and homes.
Dates	16 - 20 September 2019
Duration	Five (5) days
Registration deadline	13 September 2019
Training fees	USD200
Course code	19BD24334AFR-E

LEARNING OUTCOMES

Security has become a very important concern for most homes and offices. Traditional security system and surveillance system do not provide the required information, know-how and investigation for most offices and homes; therefore, the implementation of an IP based camera surveillance systems has become imperatives in home and offices. This training provides participants the opportunity of learning the basic principles and techniques required to design, configure and implement security systems using IP Cameras.

At the end of the training participants would be able to understand the following;

- Basic Principles of Security System using IP Camera;
- Understand the importance of Security System using IP Camera;
- Know the steps to a successful installation of IP camera;

- Define and use key terms and concepts in the field of Security System using IP Camera;
- Understand the available legislatures, frameworks and treaties of Security System using IP Camera;
- Understand and know how to design and implement security systems using IP Camera.Web hosting

TARGET POPULATION

This training is targeted at entrepreneurs of Micro, Small and Medium Enterprises. Security Intelligence Community, Investigators and Youth who intend to take a career in Security Intelligence.

TUTORS/INSTRUCTORS

NAME OF TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
Mr. Chukwuemeka Nzeih	cnzeih@dbi.edu.ng
Mr. Charles Akwarandu	

EVALUATION

A qualitative and quantitative evaluation approach would be adopted for this course. Thus, participants in this course would be evaluated based on the completion and performance in the module quizzes and assignment carried out the end of each module. Also, class participation and attendance would also count towards the final evaluation.

TRAINING SCHEDULE AND CONTENTS / AGENDA

Training schedule and content (face-to-face training)

DAY	MODULE TITLE	TOPICS
1	**Module 1: Introduction to IP Addressing and Standards and Principles of Operation of IP Cameras**	- What is E-commerce - Analysis of E-commerce platforms in Nigeria - Analysis of E-commerce platforms outside Nigeria - The uniqueness of E-commerce - Why E-commerce is important to SMEs - What is WordPress? - A critical look at E-commerce sites built with WordPress - Benefits of having a WordPress E-commerce site. - Building your E-commerce site with WordPress
2	**Module 2: Introduction to Camera Types and Selection Criteria; Understanding Camera positioning and setup;**	- An overview of WordPress - What you can do with WordPress - How to get started - Do it yourself (hands-on practical) - Understanding the WordPress control panel - Offline and Online WordPress
3	**Module 3 : Implementing video Storage; Data Transmission over IP.**	- An overview of the WordPress dashboard - Differences between posts and pages - Hands-on practical with the WordPress dashboard - Blogging - Website Planning

		- Website building with WordPress (hands-on) - The art of choosing images and videos - Where to get free images and videos for your website - Design with Canva - Creativity with pictures
4	**Module 4: Setup and Configuration of IP Cameras ; Real time monitoring.**	- Using Themes on WordPress - Introduction to powerful themes for your website - Where to find/buy themes - Using Plugins on WordPress - An overview of great plugins in WordPress - Where to find/buy Plugins - Introduction to SEO - Positioning your website with SEO - Practical session on WordPress and SEO
5	**Module 5: Introduction to Smart Homes Design**	- Choosing a domain name for your website - How to register a domain name - Where to buy domain names - An overview of Web Hosting - Hosting companies in & outside Nigeria - Criteria to consider when choosing a hosting company - Hosting your WordPress website (practical session)

Agenda (for face-to-face trainings)

Date for 1st day	Time; Start time	Topics/Activities
16 September 2019	9.00 am – 10.00 am	Registration
	Morning Session 10.00 am – 11.00 am	- What is E-commerce - Analysis of E-commerce platforms in Nigeria - Analysis of E-commerce platforms outside Nigeria
	TEA BREAK	11.00 am – 11.30 am
	Afternoon Session 11.30 am – 1.30 pm	- The uniqueness of E-commerce - Why E-commerce is important to SMEs
	LUNCH	1.30pm – 2.30pm
	Afternoon session 2.30pm – 4.30pm	- What is WordPress? - A critical look at E-commerce sites built with WordPress - Benefits of having a WordPress E-commerce site. - Building your E-commerce site with WordPress
	TEA BREAK	4.30pm – 5.00pm
Date for 2nd day	**Time; Start time**	**Topics/Activities**

17 September 2019	Morning Session 9.00 am – 11.00 am	▪ An overview of WordPress ▪ What you can do with WordPress ▪ How to get started ▪ Do it yourself (hands-on practical)
	TEA BREAK	11.00 am – 11.30 am
	Afternoon Session 11.30 am – 1.30 pm	▪ Understanding the WordPress control panel ▪ Offline and Online WordPress
	LUNCH	1.30pm – 2.30pm
	Afternoon session 2.30pm – 4.30pm	▪ An overview of the WordPress dashboard ▪ Hands-on practical with the WordPress dashboard
	TEA BREAK	4.30pm – 5.00pm
Date for 3rd day	**Time; Start time**	**Topics/Activities**
18 September 2019	Morning Session 9.00 am – 11.00 am	• Blogging • Differences between posts and pages
	TEA BREAK	11.00 am – 11.30 am
	Afternoon Session 11.30 am – 1.30 pm	• The art of choosing images and videos • Where to get free images and videos for your website
	LUNCH	1.30pm – 2.30pm
	Afternoon session 2.30pm – 4.30pm	▪ Website Planning ▪ Website building with WordPress (hands-on)
	TEA BREAK	4.30pm – 5.00pm
Date for 4th day	**Time; Start time**	**Topics/Activities**
19 September 2019	Morning Session 9.00 am – 11.00 am	▪ Design with Canva ▪ Creativity with pictures ▪ Using Themes on WordPress
	TEA BREAK	11.00 am – 11.30 am
	Afternoon Session 11.30 am – 1.30 pm	▪ Introduction to powerful themes for your website ▪ Where to find/buy themes ▪ Using Plugins on WordPress ▪ An overview of great plugins in WordPress ▪ Where to find/buy Plugins
	LUNCH	1.30pm – 2.30pm
	Afternoon session 2.30pm – 4.30pm	▪ Introduction to SEO ▪ Positioning your website with SEO ▪ Practical session on WordPress

		and SEO
	TEA BREAK	4.30pm – 5.00pm
Date for 5ᵗʰ day	**Time; Start time**	**Topics/Activities**
20 September 2019	Morning Session 9.00 am – 11.00 am	▪ Choosing a domain name for your website ▪ How to register a domain name ▪ Where to buy domain names ▪ An overview of Web Hosting
	TEA BREAK	11.00 am – 11.30 am
	Afternoon Session 11.30 am – 1.30 pm	▪ Hosting companies in & outside Nigeria ▪ Criteria to consider when choosing a hosting company
	LUNCH	1.30pm – 2.30pm
	Afternoon session 2.30pm – 4.30pm	▪ Hosting your WordPress website (practical session)
	CLOSING CEREMONY	4.30pm – 5.00pm

METHODOLOGY

Combination of face-to-face training course with online test at the end of each day (Blended training). Instructor-led presentations, case studies, assignments, daily online tests.

All announcements for all events (materials, quizzes and forums) will be given several days prior to the event by the training tutor.

TRAINING COORDINATION

Training Coordinator:	**ITU coordinator:**
Mr. Yakubu Maitalata Head, Training and Education Unit, DBI Tel: +234 09 290 4968 Mobile: +234 805 974 5275 Email: ymaitalata@dbieducation.org	**Elena Stankovska-Castilla** ITU Headquarters, Geneva Tel: +412 27 306 027 Cell: Fax: + E-mail: elena.stankovska-castilla@itu.int

REGISTRATION AND PAYMENT

ITU Academy portal account

Registration and payment should be made online at the ITU Academy portal.
To be able to register for the course you **MUST** first create an account in the ITU Academy portal at the following address:
https://academy.itu.int/index.php/user/register

Training registration

When you have an existing account or created a new account, you can register for the course online at the following link:
https://academy.itu.int/index.php/training-courses/full-catalogue/design-and-implementation-security-system-using-ip-cameras

You can also register by finding your desired course in our training catalogue
https://academy.itu.int/index.php/training-courses/full-catalogue

Payment

1. **On-line payment**
   A training fee of USD 200 per participant is applied for this training. Payments should be made via the online system using the link mentioned above for training registration at
   https://academy.itu.int/index.php/training-courses/full-catalogue/design-and-implementation-security-system-using-ip-cameras

2. **Payment by bank transfer**
   Where it is not possible to make payment via the online system, select the option for offline payment to generate an invoice using the same link as above. Download the invoice to make a bank transfer to the ITU bank account shown below. Then send the proof of payment/copy of bank transfer slip and the invoice copy to Hcbmail@itu.int and copy the course coordinator. **All bank transaction fees must be borne by the payer**.
   Failure to submit the above documents may result in the applicant not being registered for the training.

3. **Group payment**

   Should you wish to pay for more than one participant using bank transfer and need one invoice for all of them, create an account as **Institutional Contact. Institutional Contacts** are users that represent an organization. Any student can request to be an institutional contact or to belong to any existing organization.

   To do this, head to your profile page by clicking on the **"My account"** button in the user menu. At the bottom of this page you should see two buttons:

   a. If you want to **become an institutional contact**, click on the "**Apply to be an Institutional Contact"** button. This will redirect you to a small form that will ask for the organization name. After you fill the name of the organization you want to represent, click on **"continue"** and a request will be created. An ITU Academy manager will manually review this request and accept or deny it accordingly.

   b. If you want to **belong to an existing organization**, click on the **"Request to belong to an Institutional Contact"** button. This will redirect you to a small form that will ask you to select the organization you want to join from an organization list. After you select the correct organization, click on **"continue"**, a request will then be created. The Institutional Contact that represents that organization will manually accept or deny your request to join the organization.

ITU BANK ACCOUNT DETAILS:	
Name and Address of Bank:	UBS Switzerland AG Case postale 2600 CH 1211 Geneva 2 Switzerland
Beneficiary:	Union Internationale des Télécommunications
Account number:	240-C8108252.2 (USD)
Swift:	UBSWCHZH80A
IBAN	CH54 0024 0240 C810 8252 2
Amount:	USD 200

4. **Other method of payment**

If due to national regulations, there are restrictions that do not allow for payment to be made using options 1 & 2 above, please contact the ITU coordinator for further assistance.