



ITU Centres of Excellence Network for Asia-Pacific Region
Advanced Level Telecom Training Centre

Face-to-face Training Course on
Cybersecurity for Enterprises
Ghaziabad (Near Delhi), India
10-15 October 2019

COURSE OUTLINE

COURSE DESCRIPTION

Title	Cybersecurity for Enterprises
Objectives	<ul style="list-style-type: none">• To understand the present and future challenges in Cybersecurity for enterprises• To equip participants with skills to address security in the cyberworld• To demonstrate techniques for encryption and decryption of information.• To understand requirements and implementation of cybersecurity policy documents (ISMS).• To understand the auditing norms for ensuring network & its components security.• To understand computer and mobile security issues.
Dates	10-15 October 2019
Duration	5 days (excluding Sunday)
Registration deadline	5 th October 2019
Training fees	International participants: USD 275 per participant. Local participants: USD 275 or INR 19100/- (excluding taxes) per participant.
Course code	19WS24415ASP-E

LEARNING OUTCOMES

Upon completion of this training, participants will be able to understand:

- Cybersecurity policy implementation, audit and prevention
- Different types of vulnerabilities persisting in network and their impact.

- Present and future challenges to manage the threats and vulnerabilities.
- Process for developing security policy document for realization of auditing norms for ensuring components Security.
- Risk assesment and risk evaluation.

TARGET POPULATION

This training is primarily targeted at executives, managers, engineers and technical staff from regulators, policy makers, telecom operators, and academia and government organizations.

TUTORS/INSTRUCTORS

S.No.	NAME OF TUTOR(S)/ INSTRUCTOR(S)	Position	CONTACT DETAILS
1.	Mr. M. K. Seth	Chief General Manager, ALTTC, BSNL, Ghaziabad, India	cgm_alttc@bsnl.co.in +91 94018 44444
2.	Mr. Subhash Chand	PGM, ALTTC, BSNL Ghaziabad, India	subhash.iitr83@gmail.com +91 98682 02123
3.	Mrs. Suresh Devi	DGM(IT), ALTTC, BSNL Ghaziabad, India	sureshdevi7009@gmail.com +91 94127 39242
4.	Mr. H K Dixit	DGM(Tx & Mobile), ALTTC, BSNL Ghaziabad, India	dikshithk@rediffmail.com +91 94127 39065
5.	Mr. Manoj Kumar Mishra	DGM (BB&ERP), ALTTC, BSNL Ghaziabad, India	dgm.bberp.alttc@gmail.com +91 94127 39234
6.	Mr. Nitin Kumar Garg	Assistant General Manager, ALTTC, Ghaziabad, India	nitinkumargarg@yahoo.com +91 94120 00810
7.	Mr. Anand Kumar	Assistant General Manager, ALTTC, Ghaziabad, India	anandkumarbsnl21@gmail.com +91 94127 39248

EVALUATION

The assessment of the participants shall be based on the time spent on the training and the following parameters:

Evaluation Parameter	Weightage
Quizzes and Presentations	60%
Attendance	10%
Participation	30%

The minimum passing requirement for certificate is 60%

TRAINING SCHEDULE AND CONTENTS / AGENDA

(Updated information will be available at <http://www.itu.int/itu-d/asp> or <https://academy.itu.int>)

Agenda (for face-to-face trainings)

10 th October 2019 (Thursday)		
Session #	Topic	Speaker/Organization

10:30-11:30	Cyber hygiene in today's world	Sh. M K Seth CGM AL TTC/Sh. Nitin Garg AGM (IT)/DGM(IT)
11:45-13:15	Cybersecurity concept	Shri KKS Yadav/Guest Faculty
14:00-15:30	ISP core network architecture	Broadband faculty
15:45-17:15	Vulnerability assessment of network	Broadband faculty
11th October 2019 (Friday)		
10:00-11:30	Information gathering: security aspects	Shri Neeraj Gupta/Shri KKS Yadav
11:45-13:15	Cryptography	Guest Faculty
14:00-15:30	Cryptography	Guest Faculty
15:45-17:15	Steganography	Neeraj Gupta
12th October 2019 (Saturday)		
10:00-11:30	Programming: Python in cyber security	Nitin Garg
11:45-13:15	ISMS: Need of the hour	Broad Band Faculty/ Shri KKS Yadav
14:00-15:30	Cybersecurity Acts and Laws	IT Faculty
15:45-17:15	Quiz #1	IT Faculty
13th October 2019 (Sunday)		
14th October 2019 (Monday)		
10:00-11:30	Mobile security	Mobile Faculty
11:45-13:15	LTE security features and authentication procedures	Mobile Faculty
14:00-15:15	Next generation network security implementation	CFA Faculty
15:30-16:30	Social engineering	KKSY
15th October 2019 (Tuesday)		
10:00-11:30	ACL, Firewall, Proxy server security	Shri Neeraj Gupta/Shri KKS Yadav
11:45-13:15	Websecurity	Shri Neeraj Gupta
14:00-15:30	Presentation	IT Faculty
15:45-16:30	Quiz #2	IT Faculty
16:30-17:30	Validation, and Feedback	CGM/PGM/DGM, AL TTC Ghaziabad

METHODOLOGY

The face-to-face training will include

- Instructor-led presentations,
- Case studies,
- Group exercises
- Assignments
- Visit to BB/MPLS and Mobile labs.

COURSE COORDINATION

<p>Institute Head: Mr. MK Seth Chief General Manager ALTTC, Raj Nagar, Ghaziabad, UP, INDIA -201002</p> <p>cgm_alttc@bsnl.co.in (Email) +91 120 2755121 (Works)</p> <p>Institute Coordinator: Mr. Subhash Chand Principal General Manager ALTTC, Raj Nagar, Ghaziabad, UP, INDIA -201002</p> <p>subhash.iitr83@gmail.com (Email) +91 120 2755122 (Works) +91 9868202123 (Mobile)</p>	<p>Training coordinators: Ms. Suresh Devi DGM (IT) ALTTC, Raj Nagar, Ghaziabad, UP, INDIA -201002</p> <p>sureshdevi7009@gmail.com (Email) +91 9412739242(Mobile)</p> <p>Mr. Nitin Garg AGM (IT) ALTTC, Raj Nagar, Ghaziabad, UP, INDIA -201002</p> <p>mail.garg77@gmail.com +91 120 2755625 (Works) +91 9412000810 (Mobile)</p>	<p>ITU coordinator: Mr. Ashish Narayan Program Co-ordinator, ITU Regional Office for Asia- Pacific 5th Floor, Thailand Post Training Centre, 111 Moo3 Chaengwattana Road,Laksi Bangkok 10210,Thailand</p> <p>ashish.narayan@itu.int (Email) +66 257 500 55 (Works) +66 257 535 07 (Fax)</p>
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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/training-courses/full-catalogue/cybersecurity-enterprises>

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 275 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/training-courses/full-catalogue/cybersecurity-enterprises>

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 275
Payment Reference:	CoE-ASP- 19WS24415ASP-E-P.40593.1.04

4. Other methods of payment

For local participants, who would like to pay in local currency, a training fee of INR 19,100/ - (Excluding taxes) can be made directly to the ALTTC bank account. The details are as follows:

1.	Name of Account Holder: AO Cash, BSNL ALTTC
2.	Account Type: Current
3.	Account no: 10888625814
4.	Bank Name: State Bank of India, Main Branch, Ghaziabad, INDIA IFSC code: SBIN0000642