

COURSE PROSPECTUS

Name of the Group: IT

Name of the Course: Certificate course in Information Security

Course Code: IS 100

Starting Date: 09-10-2018

Duration: 80 Hrs

Course Coordinator: Krishna Nand Chaturvedi, Scientist 'D'

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Phone: 044-24421445

Last date of Registration: 08-10-2018

Preamble:

This course is to introduce about the fundamentals of Information Security which are required to analyse any existing security techniques and research work. To protect the confidentiality and integrity of information, the cryptography algorithms and security concepts are used. First; the most common goal of cryptography is to preserve confidentiality that ensures that unauthorized individuals are not able to gain access to sensitive information. The concept of firewall is a network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules. Secure/Multipurpose Internet Mail Extensions, is a technology that allows you to encrypt your emails for the secured mail transfer communication.

Objective of the Course:

The objective of this course is to provide the knowledge about the information security techniques for the network and system by exploring the concept cryptography algorithms.

Outcome of the Course:

- The training program enables the aspirants to know about the Network fundamentals like networks and its types and topology, components of the network, Importance of Network, Network models.
- They will gain the knowledge of cryptography techniques of secret keys, Hash keys, Modes of operation, public key algorithms.
- The students will be able to implement various security techniques and research work in the field of cryptography.

Course Structure:

Sl. No.	Topics	Duration
1	Network Fundamentals	20 Hrs
2	Cryptography –DES ,AES ,Arithmetic of Prime number	10 Hrs
3	Cryptography –ECC ,MD5,RSA	10 Hrs
4	Cryptography –SHA , Diffie–Hellman key exchange	15 Hrs
5	Security Application –DSA , SSL ,PGP	10 Hrs
6	Security Application - SMIME,SET , FIREWALL	15 Hrs

Other Details:

Course Fees:

For General Candidates: *Course fee is Rs. 5000/- (Five Thousands only) (Including GST)*

For SC/ST Candidates:

Tuition Fees are waived for eligible SC/ST students under the reservation policy (SC: 15%, ST: 7.5% of total seats). However they are required to remit an amount of **Rs.1000** /- as advance caution/security deposit. This amount will be considered as caution/security deposit and will be refunded after completion of the course. If the student fails to complete the course successfully this amount along with any other caution/security deposits will be forfeited. Any other SC/ST candidates admitted over and above the reservation policy have to pay complete fee.

Registration Fee (Non-refundable)

SC/ST: No registration fee

Others: **Rs. 500** /-.

However the above registration fee shall be refunded on few special cases as given below:

1. If course postponed and new date is not convenient for the student.
2. If course cancelled.

Course Fee Instalment Structure: *Not applicable for this course*

Eligibility:

1. BE/B. Tech or MCA or BCA
OR
2. BE/B. Tech(Undergoing) or MCA(Undergoing)

Number of Seats: 25

How to apply:

Candidates are advised to download the Registration from our website www.nielit.gov.in/chennai. After filling the form with all documents and fees, it can be submitted to NIELIT Chennai office in person or through post before starting of the course. Payment towards non-refundable Registration and Course fee can be paid through any one of the following modes:

- ✓ DD drawn from a nationalized bank (preferably SBI) in favour of “NIELIT Chennai” payable at Chennai.
- ✓ Online transaction: *Account No:* 31185720641 *Branch:* Kottur (Chennai), *IFS Code:* SBIN0001669.
- ✓ Pay through Nationalized Bank Debit Card (Service charges applicable)

Note: The Institute will not be responsible for any mistakes done by either the bank concerned or by the depositor while remitting the amount into our account.

Last date of Registration: 25

Selection of candidates: First come first served

Admission Procedure:

All interested candidates are required to fill the Registration form with the fees (Registration and Course fees) before : **23-09-2018** with all the necessary following documents.

- Original and self-attested Copies of Proof of Age, Qualifications, etc.
- One passport size photograph and one stamp size photograph for identity card.
- Self-attested copy of Govt. issued photo ID card (AADHAR is mandatory for SC/ST Candidates).
- Self-attested copy of community certificate (if availing SC/ST fee concession)

Note: Working days are from Monday to Friday. Admission timings are from 9.00 am to 5.00 pm.

Discontinuing the course: No fees under any circumstances shall be refunded in case of a student discontinuing the course. No certificate shall be issued if discontinued.

Course Timings: 4Hrs/8 Hrs Per Day

Location: NIELIT Chennai is located at Gandhi Mandapam Raod, Kotturpuram, Chennai (Landmark: Opp. To Anna Centenary Library)

Address: National Institute of Electronics and Information Technology Chennai Centre,
ISTE Complex, No. 25, Gandhi Mandapam Road, Chennai – 600025
E-mail: training.chennai@nielit.gov.in / Phone: 044-24421445

Course enquiries: Students can enquire about the various courses either on telephone or by personal contact between 9.15 A.M. to 5.15 P.M. (Lunch time 1.00 pm to 1.30 pm) Monday to Friday.