

**UNIVERSITY SCHOOL OF INFORMATION & COMMUNICATION TECHNOLOGY
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
DWARKA, DELHI – 110078**

**Two- weeks Short Term Course
on
Cyber Threats and Computer Security Measures
during**

April 13-24,2015

with the collaboration

of

National Institute of Technical Teachers Training and Research, Chandigarh

About the School of ICT

University School of Information & Communication Technology (USICT), GGSIPU offers B.Tech./M.Tech. (Dual Degree) programme in Information Technology, Computer Science & Engineering and Electronics & Communication Engineering. USICT also offer M.Tech. (Regular & Weekend) programme in Information Technology, Computer Science & Engineering and Electronics & Communication Engineering. USICT offers research opportunity to young people through its Ph.D. programme in all the discipline of its PG programmes.

About NITTTR Chandigarh

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers' Training Institutes (now National Institute of Technical Teachers Training & Research, NITTTR at Bhopal, Chandigarh, Chennai and Kolkata in 1967. The Institute at Chandigarh is one of these four NITTTRs, started in collaboration with Royal Netherlands Government (upto 1974).

The institute started with long term teachers' training programmes for polytechnic teachers in 1967 and was also entrusted with the responsibility of promoting curriculum development work for the states in the region. To improve the competence of teachers for implementing new curricula designed by this institute, short term courses have been offered since 1967.

Outline of the Short-term Course

- Overview of Cyber crimes & Cryptography
- Hackers World
- Security Issues in WiFi
- Social Engineering
- Virtual Private Network
- Symmetric & Asymmetric Key Cryptography
- Demo & Practice Session on Various Ciphers
- Firewalls & its Implementation

- Intrusion Detection System
- Static & Default Routing
- Access Control Server
- Information Gathering Foot printing & its counter measure
- System Audit & case studies
- Cyber Crime Investigation using helix, OSForensics & True crypt
- Security Implementation using Hypervisor

Registration

Registration for the participant is **free of cost**, but participants are required to submit attached form through email/post. Confirmation to the participants shall be sent through email. Only 60 participants shall be accommodated in the short-term course. The selection of the participants will be based on year of experience and area of teaching/research.

Important Date

- One advance copy of the complete Registration Form may be sent by eMail to: amit@ipu.ac.in before **10-April, 2015**
- Duration of short term course: **April 13-24, 2015**

Accommodation

No accommodation shall be provided by university.

Patron

Prof. Anil K. Tyagi, Hon'ble Vice-chancellor, GGSIPU

Dean USICT

Prof. C. S. Rai

Organising Committee

Dr. Amit Prakash Singh, Associate Professor, USICT (amit@ipu.ac.in)
Ms. Shweta Dabas, Assistant Professor, USICT (shwetadbs@ipu.ac.in)
Mr. Anurag Agarwal, Assistant Professor, USICT (anuragag@ipu.ac.in)

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[Workshop website](#)

Registration Form

Name:

Highest Qualification:

Designation and Department:

Institute/ University Name:

Address for Correspondence:

Mobile No.:

Email ID:

Whether the institute is: Govt Govt Aided Private University

Whether the institute is covered under TEQIP: YES NO

Year's of Experience :

Subject area of Teaching/Research

Signature of Applicant

This is to certify that Mr./Ms. _____ is working as _____ since _____. The institute has no objection to relieve him/her for attending Two weeks short-term course on " **Cyber Threats and Computer Security Measures**" at USICT, GGSIPU, Delhi during April 13-24,2015.

Date: _____

(Signature of Director/Principal)
Seal of the Institute