

AICTE – Training & Learning (ATAL) Academy Sponsored Program on

Cyber Security

16th -20th September, 2019



Venue - NPTI-HPTC Nangal Dam Punjab

Organised By

राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान

NATIONAL POWER TRAINING INSTITUTE

(An ISO 9001:2008 & 14001:2004 Organisation)

(बिद्युत मंत्रालय, भारत सरकार)

(Ministry of Power, Govt. of India)

जल विद्युत प्रशिक्षण केन्द्र, नंगल पंजाब- 140124

Hydro Power Training Centre, Nangal Punjab – 140124

www.npti.gov.in/npti_nangal/



About NPTI:

National Power Training Institute (NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India, is a National Apex body for Training and HRD in Power Sector with its Corporate Office at Faridabad. NPTI is the world's leading integrated power training institute and it is operating on an all India basis through its regionally located Institutes at Faridabad, Badarpur, Nangal, Bengaluru, Neyveli, Durgapur, Guwahati and Nagpur. NPTI is establishing two new institutes at Alappuzha (Kerala) and Shivpuri (MP) which would be operational shortly. NPTI has more than 50 years of professional expertise in the field of training and HRD in Power sector with industry specific interface.

Program Overview:

Increased Internet penetration for applications such as e-Govern-ance, e-Commerce, e-Banking, digital payments, e-Learning, smart cities etc, has resulted in an exponential rise in sophisticated attacks on Information technology (IT) infrastructure. This has lead to Cyber Security as an important aspect to secure our computers and networks. Both government & industry are becoming the victims of cyber criminals, including companies working in security technology . Cyber Security is going to be much more serious problem in the coming years. Hence it becomes more important & essential to be aware of the challenges and methods to meet the new age attacks.

Target Audience: Faculty members and PhD research scholars of AICTE affiliated educational institutions are eligible to participate. There is no registration fees for the course and maximum 50 participants will be allowed to register. Participants will be provided only tea/ working lunch during the course. No TA/DA will be given to any participants and they have to make their own arrangements for stay.

All correspondence should be addressed to:

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**For more details about AICTE-ATAL Academy please visit
www.aicte-india.org/atal**

(National Power Training Institute-Hydro Power Training Centre, Nangal Dam, Punjab)

Title of the Workshop : Cyber Security

From 16/09/2019 To 20/09/2019

11:30 AM	10:00 AM to 11:30 AM	11:30 AM to 12.00 PM	12.00 PM to 1.30 PM	1.30 PM to 2:30 PM	2:30 PM to 4.00 PM	4:15 PM to 4:45 PM
16/09/2019	Registration and Inauguration	High Tea	Session-1 Introduction to Cyber Security	Lunch	Session-2 Cryptography and Information Security	Tea
17/09/2019	Session -3 PKI and Digital Signature	Tea	Session -4 Introduction to Ethical Hacking	Lunch	Session -5 Brute Force Attack & Counter Measures	Tea
18/09/2019	Session -6 Trojan, Backdoor &Virus and Android Hacking	Tea	Session -7 Wireless & Wi-Fi Security	Lunch	Session -8 DNS Hacking and Counter measures	Tea
19/09/2019	Session -9 Industrial Visit	Tea	Session -10 Industrial Visit	Lunch	Session -11 Industrial Visit	Tea
20/09/2019	Session -12 Network Defence & Counter Measures	Tea	Session -13 Cyber Forensics	Lunch	Session -14 Social Engineering	Valediction