National Institute of Technical Teachers'
Training and Research, Kolkata (NITTTR)

in association with

Webel - Fujisoft Vara Centre of Excellence
In Industry 4.0,

presents

INDUSTRIAL TRAINING PROGRAM ON

CYBER SECURITY

(OFFLINE MODE)

📅

Duration : 23rd September - 4th October, 2024

Last Date of Registration: 10th September, 2024

WHO WILL BENEFIT:

- ☑ University and college professors
- ☑ Lecturers and instructors in IT and cybersecurity
- ☑ Academic researchers in cybersecurity
- ☑ Training coordinators for academic staff
- ☑ New faculty members specializing in cybersecurity
- ☑ Cybersecurity analysts
- ☑ Network administrators
- ☑ Information security managers
- ☑ Organizational leaders and managers

PROGRAM OUTCOMES:

Upon completing this training module, participants will gain a comprehensive understanding of the role of cybersecurity in ICT, including the basics of IP networking and the security attributes essential for network and mobile systems. They will be proficient in demonstrating the key objectives of ISO 27001: 2013 and will exhibit knowledge of various cryptographic algorithms and techniques. Additionally, participants will be able to perform thorough threats and risk analysis, as well as demonstrate effective security management and deployment strategies.

TOPICS TO COVER

- **Cyber Security Foundation & Objectives**
- **Security Management & Development**
- **Threat and Risk Analysis**
- **Computer Networking & Network Security**
- **Mobile Security**
- **Application & Data Security**
- **Identity & Access Management**
- **Cryptography**
- **Understanding Vulnerabilities & Penetration Testing**
- **Cyber Security rules regulation & compliances**

CERTIFICATION:

To be jointly provided by The National Institute of Technical Teachers' Training and Research, Kolkata and WEBEL— Fujisoft— Vara Centre of Excellence Industry 4.0, on initiative of Information Technology and Electronics Department, Government of West Bengal, on successful completion and assessment.

Patrons

Prof. Debi Prasad Mishra
Director
NITTTR Kolkata

Mr. Debasish Mazumdar
Director
Webel Fujisoft Vara CoE

Mr. Somnath Chatterjee
Centre Head
Webel Fujisoft Vara CoE

Institute Coordinator

Prof. Chandan Chakraborty
Professor, CSE
NITTTR Kolkata

Mr. Anirban Choudhuri
Academic Head
Webel Fujisoft Vara CoE

Leading Faculty

Dr. Rajeev Chatterjee
Associate Professor
Department of Computer Science & Engineering
FIC, Institute Computer Centre &
Chief Information Security Officer (CISO)
NITTTR, Kolkata.

RAJEEV CHATTERJEE: Dr. Rajeev Chatterjee has been working at NITTTR, Kolkata since January 12, 2001. His research interest includes Computer Networks, ICT Infrastructure, Network Security, SDN, and Technology Enabled Learning (TEL).His area of Interest includes programming techniques, UNIX/ Linux systems, ICT Infrastructure, Computer Networks, SDN, Technology Enabled Learning, e- assessment and CBL based systems. He has published around 35 papers in the International Journal and conferences. He has more than 24 years of Teaching / Training and Research Experience. Dr.Rajeev Chatterjee in addition to his teaching /training and research activities also manages the ICT Infrastructure of NITTTR, Kolkata. He is the nodal officer of NKN. He is also the Chief Information Security Officer (CISO) of the Institute.

Abhirup Guha
Senior Cyber Security Consultant
CERT-IN empaneled
Cyber Security Auditor

Abhirup has around 15+ years of experience in Information security Threat Assessment. He earned a Master of Business Administration degree in IT. He is an ISO 27001 Certified Lead Auditor and Lead Implementer of BS 10012:2017 + A1:2018 & GDPR. He is also a Certified Ethical Hacker, Certified Forensic Investigator, and CERT-IN empaneled Cyber Security Auditor. He also specializes in anti-ransomware forensic techniques. He has been associated with FSN IT Solutions USA since 1st January 2022, conducting cyber security audits and forensic services in the USA and Bangladesh

ABOUT NITTTR (KOLKATA)

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata was established in 1965 as Technical Teachers' Training Institute (TTTI), Calcutta. This was the first among four such institutes (other three being at Chandigarh, Bhopal & Chennai) established by the Ministry of Education, Govt. of India as fully centrally funded autonomous institutions for providing pre & in-service training to the teachers and staff of Degree and Diploma level training institutions and also for conducting various activities related to quality improvement of the technical education system of the country. The Govt of India, in 2003, accorded national status to this institute, (along with the three sister institutes) in recognition of the contribution of these institutes for the expert service rendered for overall improvement of quality of Technical Education System.

The focal activities of the institute are
i) Education & Short-term Training, (ii) Curriculum Development, (iii) Learning Resources Development, (iv) Research & Development and (v) Extension Services & Consultancy. AICTE has recognized the Short-term training programmes conducted by the Institute for consideration for the purpose of movement to higher grades under the Career Advancement Scheme (CAS). The Institute is also offering four (4), AICTE approved, two year (four semester), M.tech programme in " Artificial Intelligence and Machine Learning", Green Manufacturing , Mechatronics Engineering and Structural Engineering . The institute has recently received the status of "Deemed University" by UGC, Govt. of India

Some of the notable national level projects in which the Institute is associated are serving as Nodal agency to centrally sponsored Community Polytechnic Scheme; designing & conducting AICTE sponsored "Induction training Programme" for fresh teachers of engineering colleges and polytechnics; facilitating implementation of Centrally sponsored scheme for Integrating Persons with Disabilities (PWD) in the Mainstream of Technical & Vocational Education etc. The Institute has highly qualified & experienced faculty members and excellent infrastructural support in the form of well-equipped laboratories and other resources. The institute has established extension centers at Guwahati and Bhubaneswar for reaching out to its clients. The new mandate of the Institute has extended its clientele catchment area outside the country encompassing the Technical & Vocational Institutions of particularly SAARC & ASEAN countries

ABOUT CoE

An initiative of the Government of West Bengal, the Centre of Excellence in Industry 4.0 is being developed by Webel, Fujisoft Inc, and Vara Technology. The CoE brings together graduate students, professionals, start-ups, corporates, technology providers and government to radically transform skill development as well foster innovation. It is located in Rajarhat, Kolkata, India.

A Unique Interface
The CoE is being set up as a triangulation of leading industry organizations, academia and technology providers to:

 • Create relevant skills for Industry 4.0
 • Help transform organizations to meet the new challenges in today's rapidly changing world
 • Connect MSMEs to a global partner network
 • Work with start-ups to turn ideas into businesses

The CoE will work closely with the government, which is supporting it with infrastructure and funding, to create a unique best-in-class facility. This is one of the first platforms in the Eastern part of India, which brings together the technologies that define the Fourth Industrial Revolution.

APLLICATION CRITERIA:

Graduates and Post-Graduates in Science & Technology with adequate Knowledge in Computer Networking & Operating System

HOW TO ENROLL FOR THE GOURSE:

☑ **Please register through**

https://payments.billdesk.com/bdcollect/bd/nittkolkata/13657

COURSE FEES

10,000 INR Inclusive Tax (Per Person)

Organizations / Groups can avail discounts on block / group enrollments.

NITTTR, Kolkata, Block-FC, Sector-III, Salt Lake City, Kolkata - 700106

📞 **(033) 6625 1919 (Extn - 904/965)**

✉ **academic@nitttrkol.ac.in**

🌐 **http://www.nitttrkol.ac.in**

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