



One Week Faculty Development Program On Cyber Security & Digital Ethics for Global Safety (Hybrid Mode)

30/07/2025- 06/08/2025

Organized by

E & ICT Academy and NIT Patna



**In Collaboration with
Department of Information Technology
(AICTE, NBA Accredited)
Techno Main Salt Lake
Kolkata-700091, West Bengal**

Technical Partner



**IQAC & IIC, TMSL, CSI, ISTE, IETE, IET Kolkata
Chapter**

Patrons

Prof. P.K. Jain, Director, NIT, Patna
Prof. Dr. Goutam Roy Chowdhury, Chairman, TIG
Prof. Manoshi Roy Chowdhury, Co-Chairperson, TIG

Joint Coordinators

Prof. M. P. Singh, HoD, Department of CSE, NIT Patna
Prof. Soumitra Sasmal, Assistant Professor, Registrar, TMSL

Joint Co-coordinator

Ms. Anindita Saha, Assistant Professor, Department of IT, TMSL
Dr. Ishita Bhakta, Assistant Professor, Department of IT, TMSL

Venue

**Department of Information Technology,
Techno Main Salt Lake, Kolkata, West Bengal**

About NIT Patna

National Institute of Technology Patna is the 18th National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28.01.2004. NIT Patna marked its humble beginning in 1886 with the establishment of a pleader's survey training school which was subsequently promoted to Bihar College of Engineering Patna in 1924. This made this institute the 6th oldest Engineering Institute in India. The Institute is situated on the south bank of the holy river Ganges behind Gandhi Ghat (where the ashes of the father of the Nation, Mahatma Gandhi was offered in the river Ganges). The campus has a picturesque river view with historic buildings presenting a spectacle of architectural delight and natural beauty. The Institute imparts high-level education training, research, and development in science, engineering technology, and humanities along with high-quality education and values at UG, PG, and Ph.D. levels. At present, the Institute offers courses in six major technical disciplines viz. Architecture, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering and Mechanical Engineering. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities and Social Sciences.

About Department of Information Technology, Techno Main Salt Lake

Techno Main Salt Lake (formerly known as Techno India), a premier institution under the Techno India Group, is approved by the All India Council for Technical Education (AICTE) and affiliated with Maulana Abul Kalam Azad University of Technology, West Bengal. It was established in the year 2001 to make it a "Center of Excellence". It is located in the heart of Salt Lake, Sector V. The Institute's Innovation and Entrepreneurship Development Cell fostering research offers great opportunities for higher studies. Departments of CSE, Electrical Engineering, Food Technology, Information Technology and Electronics & Communication Engineering are NBA accredited and the institute is highly ranked both in the ARIIA and India Today surveys of top technical institutes in India.

The Department of Information Technology (IT) at Techno Main Salt Lake, established in 2001, stands as a pivotal academic division offering a robust Bachelor of Technology (B.Tech) program in Information Technology. Affiliated with the Maulana Abul Kalam Azad University of Technology (MAKAUT), this department is a testament to Techno Main Salt Lake's unwavering commitment to delivering top-tier engineering and technology education. It proudly holds NBA accreditation, signifying its adherence to rigorous national standards and its dedication to providing a quality learning experience. The curriculum is meticulously designed to be forward-thinking, emphasizing crucial and rapidly evolving fields such as Artificial Intelligence (AI), Machine Learning (ML), and Cloud Computing. This ensures graduates are not only proficient in foundational IT concepts but

also well-versed in the latest industry trends. Beyond its strong curriculum, the IT Department actively champions academic excellence and professional development for its faculty. It is a key participant in initiatives like the AICTE Training and Learning (ATAL) Faculty Development Programs (FDPs). These programs are vital for continuously enhancing the teaching methodologies and research capabilities of faculty members, not just within Techno Main Salt Lake but across India's technical education landscape. This proactive engagement guarantees that students receive instruction from educators who are at the forefront of technological advancements and pedagogical innovation, providing a truly current and engaging learning environment.

Electronics and ICT Academy

The Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies of which, the academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic as well as specialized training programs in niche areas of electronics and ICT for the development of the required knowledge base, skills, and tools to equip the teaching community with better knowledge and understanding.

Overview

A Faculty Development Program (FDP) on Cyber security and Digital Ethics for Global Safety would aim to provide educators and professionals with a comprehensive understanding of the various cyber security principles and digital ethics that can be leveraged to ensure global safety in an increasingly interconnected world. This hybrid FDP would be valuable for educators looking to integrate cyber security and ethical frameworks into their curriculum, as well as for professionals seeking to enhance their skills in safeguarding digital infrastructure, mitigating cyber threats, and promoting responsible technology use.

Objectives of the Program

- ❖ To equip educators and professionals with fundamental and advanced knowledge of cyber security threats, vulnerabilities, and best practices to protect digital assets.
- ❖ To emphasize the importance of digital ethics, responsible AI usage, and legal frameworks to ensure fairness, privacy, and security in online interactions.
- ❖ To provide hands-on training in threat detection, risk assessment, cryptography, and secure system design to combat cyber risks effectively.
- ❖ To guide faculty members on incorporating cyber security concepts into their teaching curriculum to prepare students for real-world challenges in the digital domain.
- ❖ To encourage discussions on international cyber security policies, ethical hacking, and collaborative frameworks to create a safer and more resilient digital ecosystem.

Topics to be covered

- Introduction to Cybersecurity
- Digital Forensics
- Cyber forensics and security using Blockchain
- Recent trends in IDS for cyber-physical system

This is a 40 hours FDP Program (24hrs Theory and 16hrs of Hands-on session)

Resource Persons

1. Dr. Debasis Dey, Professor, CSE, MAKAUT, WB
2. Dr. Jubilant Kizhakkethottam, Professor, Saintgits Group of Institutions
3. Dr. Ghanapriya Singh, Assistant Professor, NIT
4. Dr. Soumyajit Dey, Associate Professor, IITKGP
5. Dr. Saikat Bose, Associate Professor, MAKAUT
6. Mr. Tanushyam Chattopadhyay, Practice Head, ADANI Group
7. Mr. Sourav Chakraborty, TCS Innovation Lab
8. Mr. Dipan Mondal, Ethical Hacking, Ardent
9. Mr. Niladri Roy, TCS

FDP Highlights

- ❖ Six days of training session (in hybrid mode) taken by experts both in academic and industry with experience ranging from several years to several decades.
- ❖ Hands-on session
- ❖ Certificate will be given to participants who will attend more than 75% of five days' sessions in the FDP followed by an MCQ test.

Participants

Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over India, Research scholars, Post Graduate students, and Industry personnel, however, priority will be given to the faculty members.

Registration Fee

Faculty/Research Scholar/Industry Person/Student: 500/-

Certificate will be given by Electronics & ICT Academy, NIT Patna.

Registration Process

1. Registration fee will be paid online mode, the account details for this purpose is

Account Name: E AND ICT ACADEMY NIT Patna

Account Number: 50380476798

IFSC CODE: IDIB000B810

Bank Name: INDIAN BANK, NIT Patna, Bihar

2. Link for registration:

<https://forms.gle/6kSKaT9hobnWgMUT6>



Scan the above QR code for payment using UPI apps.

3. **Last date of registration: 23rd July, 2025**
4. A PDF file of an online filled registration form with proof of registration fee paid needs to be sent through email to

Mrs. Anindita Saha

(Mob:9831507964)

(Email: anindita_saha03@yahoo.co.in)

And

Dr. Ishita Bhakta

(Mob:9432536033)

(Email: ishita.official@gmail.com)

FDP On

**“CyberSecurity & Digital Ethics for Global Safety
(hybrid mode)”**

(30/07/2025- 06/08/2025)

REGISTRATION FORM

1. Name (block letter):
2. Father's Name:
3. DOB:
5. Mobile No:
6. Email ID:

7. Full Address for communication:

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Pin code: State:

8. Designation:

9. Organization Name/ College Name:

10. Category:

11. Sex:

12. Write the transaction No./ UTR No./ Cheque No./ DD

No./ Bank Statement:

13. Participation preference (online/offline)

DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place:

Date:

.....
Signature of the Applicant