



FACULTY DEVELOPMENT PROGRAMME (FDP)- (Online Mode) ON

Security in Distributed and Networking Systems

(26th October– 2nd November 2021)

Organized by
E & ICT Academy and Department of
Computer Science and Engineering,
NIT Warangal

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

Preamble:

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes (FDPs) in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

The information technology and the Internet become more and more ubiquitous in our daily lives, there is an essential need for a more thorough understanding of existing methods to provide security in emerging distributed and networking systems. The distributed and networking systems provide huge amount of data shared among users to provide services, but also present certain vulnerabilities and security threats. This faculty development programme (FDP) is designed to discuss various security issues in emerging distributed and networking systems. The *fundamental theory, practical aspects* and *research directions* in the broad areas of *Security in Distributed and Networking Systems* are the key highlights in this programme.

Major Course Contents:

- Security in TCP/IP
- Worms, Viruses, Bots and spam in the Internet
- Advanced Cryptography for Distributed and Networking Systems
- Blockchain and applications
- Cloud Computing Security
- Security and privacy issues in Wireless Networks
- Security in 5G and IoT Networks
- Security in Ad-hoc and Sensor Networks
- Intrusion Detection System
- Access control methods
- Software Security
- Security Standards
- Machine Learning for Security
- Security issues in Online Social Networks

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal as well as Academicians in the concerned field from IITs/NITs/IITs and other reputed Institutes. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The program is open to the Faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned/allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs. 750/-
Industry Participants	Rs. 2250/-

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details
Account Name: Electronics & ICT Academy NITW
Account No: 62423775910
IFSC: SBIN0020149

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/fsXen6etpETgeF587>

Selection Criteria:

Selection will be done based on *first-come-first-serve basis* to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of Application	18/10/2021
Selection List by E-mail	20/10/2021
Duration	26/10/2021 (Tuesday) to 2/11/2021 (Tuesday) 03:30 PM to 08:30 PM

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B. Tech. degrees in various branches of engineering, M. Tech. and Ph. D. programs in various specializations.

The Department of **Computer Science and Engineering (CSE)** offers B.Tech course in CSE, M.Tech courses in CSE, Computer Science and Information Security (CSIS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC 2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with premier Institutes in certain areas. Department conducts various sponsored programmes throughout the year.



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SPONSORSHIP CERTIFICATE

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date:
- Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **“Security in Distributed and Networking Systems”**, sponsored by Electronics & ICT Academy during **26th October- 2nd November, 2021** at NIT Warangal.

Amount:

Signature of Head of Institution
(with seal)

6. Address for Correspondence:

Interested faculty members, please fill the following Google form:

7. Educational Qualification:
8. Subjects taught so far:

<https://forms.gle/fsXen6etpETgeF587>

Address for correspondence

9. No. of refresher courses/workshops attended:
10. Experience (in years):
 Teaching: Research: Industry:
11. Do you belong to SC/ST : YES / NO

Dr. Rashmi Ranjan Rout
Associate Professor
Dept. of CSE
National Institute of Technology
Warangal – 506004
Telangana, India

For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>

*For more enquiries please contact:
Dr. Rashmi Ranjan Rout
Mobile: +91-8332969418*

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

Coordinator

Dr. Rashmi Ranjan Rout,
Associate Professor,
Dept. of Computer Science and Engineering
NIT Warangal—506 004
Email: rashrr@nitw.ac.in