

Self-Financed STC on ISC- 2015, January 05-09, NIT Durgapur

SELF-FINANCED SHORT TERM COURSE

on

Information Security and Cryptography (ISC-2015)

January 05 -09, 2015



Course Coordinators:

Dr. D. Nandi, Dr. S. Chowdhury & Dr. M. K. Mandal

**Department of Information Technology
National Institute of Technology Durgapur
Mahatma Gandhi Avenue
Durgapur 713 209**

THE INSTITUTE

National Institute of Technology Durgapur (NITD) is a leading technical institute offering undergraduate, postgraduate and doctoral programmes in various disciplines of engineering, technology, science, social science and management. The education system is holistic with equal importance being attached to all-round development of the students. NITD was established as a Regional Engineering College (REC) in 1960 as a joint venture of the Government of India and Government of West Bengal. REC Durgapur was converted to NIT Durgapur under the full administrative and financial control of the Ministry of Human Resource Development of Government of India with a Deemed University status on 3rd July, 2003. Subsequently NITD has been given the status of a University by the UGC Act. The Institute was declared an **Institute of National Importance** by the Government of India on August 15, 2007.

The city of Durgapur is recognized as one of the fastest developing Tier-II cities in the national scenarios. Durgapur is situated at a distance of about 180 KMs from Kolkata. It is located right on the major railway and expressway (NH-2) connecting Kolkata to Delhi and Durgapur can be reached from Kolkata (and vice versa) in ~ 2 hrs. 30 mins.

THE DEPARTMENT

Department of Information Technology of NIT Durgapur is one of the new and leading Departments in terms of teaching qualities and research activities. The department has been offering undergraduate course in IT since 2000. Within a very short span of time, the department has created an excellent learning environment with dedicated young faculty members, technical staff, 'state-of-the-art' laboratories and innovative academic processes. The department provides computational facilities for system level programmers, application development and research. The Department, over the years, is successfully undergoing several projects sponsored by the Department of Information Technology, Government of India. A number of students are working at present for their Ph.D. degrees undergoing research under supervision of several faculties. Theoretical and experimental investigations are being carried out in the frontier areas like Modeling & simulation of Networks, Optical Burst Switched Network, Distributed Systems, Wireless Networks, Knowledge Management, data mining and Case based reasoning, Swarm Robotics, Soft computing, cryptography and network security, VLSI testing, distributed computing,

software engineering, image processing, algorithms and applications, chaos and security, bioinformatics and several other allied and interdisciplinary domains.

The department has been offering post graduate course since 2008. Many students who have received their M. Tech degrees from this Department are serving now in different Institutes of higher learning in India.

ABOUT THE SHORT TERM COURSE ISC-2015

We live in an age and society that surrounds us with information, and increasingly our day-to-day lives depend upon this information and our ability to manipulate it. For example, it is often taken for granted that we can control our bank accounts from almost anywhere in the world using a combination of satellite and cellular phone networks to talk to bank representatives, specialized wired ATM networks to withdraw money, and the Internet for online banking services. Sadly, whenever there are services for manipulating information that has value, there will be unscrupulous elements in society that will seek to subvert these services for their own benefit. This has led to the development of research into information security.

Information security is the field of research that aims to protect information from malicious attackers while still allowing legitimate users to manipulate data freely. The field of Information Security and Cryptography encompasses cryptography, watermarking, steganography etc.

The objectives of the short term course is to bring researchers and technocrats from different parts of our country to a common gathering for exchanging and sharing the recent developments in cryptography, chaos theory, and its application to communication and multimedia information security, state-of-the-art of steganography and watermarking and their applications in information hiding and copyright protection, network security, and different computer security issues existing till date.

TOPICS TO BE COVERED

Recent advances in cryptography and secret key sharing, provable security, chaos theory and its application in multimedia information security, network security, watermarking and copyright protection, steganography.

RESOURCE PERSONS

The resource person constitutes experts/senior faculty members from NIT Durgapur and various guest speakers from other reputed institutions.

Who Should Attend?

Research Scholars, PG Student, B. Tech Students, Faculty Members, Scientists, Engineers, Technicians, Technical Staff Members.

Registration fee:

Participants	Amount
Faculty/Staff Member of Academic/ Research Institutes/Research Scholars	Rs. 5000/-
B.Tech. & M. Tech. Students	Rs. 2500/-
Members from Industries	Rs. 8000/-

Organizing Committee

Patron: Prof. T. Kumar, Director, NIT Durgapur

Advisory Committee:

Prof. P. P. Gupta, Dean (R&C)

Prof. G. Sanyal, Dean (FW)

Col. (Retd.) P. S. Sandhu (Registrar)

Coordinators:

Dr. D. Nandi

Dr. S. Chowdhury

Dr. M. K. Mandal

Members:

Dr. Baisakhi Chakraborty

Dr. Sajal Mukhopadhyay

Dr. Debashis Mitra

Dr. Animesh Dutta

Mrs. Dipanwita Das

Mr. Jaydeep Howladar

Mr. Subhankar Majhi

Mr. N. D. Jana

REGISTRATION FORM
Self-Financed Short Term Course on
Information Security and Cryptography (ISC-2015)
January 05 -09, 2015

Department of Information Technology, National Institute of Technology,
Durgapur, M.G. Avenue, Durgapur – 723109, West Bengal, India

1. Name: -----
2. Designation & Affiliation: -----
3. Male/Female:-----
4. Mailing Address:-----
5. Telephone No. : _____ (R)_____ (O), _____ (M)
6. E-mail ID : -----
7. Highest Academic Qualification:-----
8. Working Experience (In nos. of Years): -----
9. Accommodation required* (Y/N):-----
10. Registration fees: DD/Cheque No./Account Transfer Ref./ _____
Date _____Amount _____

(Internet Banking/DD/Multi City Cheque should be drawn in favor of “NITD IT PHY”, payable at Durgapur; Account No: 33154858334, IFSC Code: SBIN0002108)

Place: _____

Signature of the Applicant

Date: _____

Signature and Seal of the Head of the Department/Institute

CORRESPONDING ADDRESS

Department of Information Technology, National Institute of Technology,
M. G. Avenue, Durgapur – 713209, West Bengal, India.

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Please send the completed application form on or before 31st December 2014.