

**TEQIP-II Sponsored  
One Week Summer School**

**On**

**Intellectual Property Rights and Cyber Security  
(IPR&CS-2014)**

**April 14-18, 2014**



**Coordinators**

**Dr. Nirmal Baran Hui**

**Dr. Supriya Bera**

**Joint Coordinators**

**Col. (Retd.) Prabhdeep Singh Sandhu**

**Dr. Gopinath Halder**

***Organized by:***

National Institute of Technology Durgapur

West Bengal – 713 209

**[www.nitdgp.ac.in](http://www.nitdgp.ac.in)**

## **Preamble:**

Intellectual property (IP) refers to various distinct types of creations of the mind: inventions, literary and artistic works, and symbols, names, images, and designs used in commerce. Intellectual property rights (IPR) are the rights given to persons over the creations of their minds which usually mean exclusive rights (such as copyrights, trademarks, patents etc.) given to the creator over the use of his/her creation for a certain period of time. By striking the right balance between the interests of innovators and the wider public interest, the IPR aims to foster an environment in which creativity and innovation can flourish for the benefit of the mankind.

Cyber security is another very interesting aspect of modern life and is a relatively young and immature field. The attackers are more innovative than defenders. Defenders are mired in FUD (Fear, Uncertainty and Doubt) and fairy tales. Attack back is illegal or classified. In near future, cyber security is likely to become a scientific discipline, which will be application and technology centric. However, the issue of cyber-security is unlikely to be "solved" completely rather be "managed", and attack back could be an integral part of managing cyber security.

It is therefore a field, where scientists, academicians, security personnel, administrators and the Govt. need to think positively in a systematic manner to prevent cyber threats.

## **Mission:**

The purpose of this workshop is to create awareness and provide guidance to the participants on the two very important points as below:

- Practices and the rules regarding intellectual property rights and obligations within the frame work of the IPR policy of INDIA.
- Fundamentals of cyber security, laws and assistance related to cybercrime in INDIA.

## **Topics:**

- Innovation management.
- Innovation promotion and management policy.
- Fundamentals of "Structured Innovation".
- Patent search and identification of innovation.
- Technology transfer.

- Registry of innovation by patent disclosure.
- Commercialization & Technology Transfer
- Mentoring and facilitating business incubation
- Legal aspects of IPR
- case studies by experts
- Cybercrime basics
- Current state of cybercrime: Global and Indian scenario.Cybercrime: different types
- Cybercrime countermeasures.
- Legal issues of CS.
- Support from Government.
- Case studies by experts

### **TARGET AUDIENCE:**

The course is open to faculty members, Research scholars from Academic Institutes/universities/Colleges/Polytechnics and practicing engineers/scientists/researchers from Industries and R & D organizations.

### **IMPORTANT DATES:**

Last date of receiving completed registration form: 21.03.2014

Notification for selection through e-mail: 25.03.2014

### **BOARDING & LODGING:**

Boarding, lodging and travel expenses shall be borne by the participants. Limited shared accommodation may be available in the Institute Guest House on first come first served basis. Several good hotels are available in and around Durgapur. Participants may contact directly or through the coordinator(s) for accommodation in Hotels. No TA/DA will be paid to the participants by NIT Durgapur.

## Registration Fees:

| Participants                          | Registration fees per person |
|---------------------------------------|------------------------------|
| Faculty member of Academic Institutes | Rs. 5,000/-                  |
| Industry / R&D personnel              | Rs. 8,000/-                  |
| Research Scholar (non-NIT Durgapur)   | Rs. 2,000/-                  |
| Research Scholar (NIT Durgapur)       | Rs. 1,000/-                  |

The fee includes registration kit, CD including lecture materials, tea, snacks, working lunch on all five days and the program dinner.

## REGISTRATION PROCEDURE:

Hard copy of filled in and duly signed registration form (Registration forms are also available on institute website: [www.nitdgp.ac.in](http://www.nitdgp.ac.in)) duly forwarded by Director/Principal/Dean/HOD of the Institute/ should be sent to the contact person on or before 21.03.2014 along with Demand Draft / multicurrency Cheque in favour of "IPRCS 2014" payable at SBI, NIT Durgapur.

## Course Venue

Main Academic Building, National Institute of Technology Durgapur.

## About the Institute

The National Institute of Technology Durgapur ), was established by upgrading the Regional Engineering College, Durgapur by an Act of the Parliament in 2003 as an institute of national importance by the Govt. of India. It is a premier Technological Institution with deemed university status fully funded by the Government of India and is administered by an autonomous Board of Governors.

The Institute awards B. Tech., M.C.A., M.Sc., M.B.A., M. Tech. and Ph.D. degrees to students after their successful completion of the specified courses. The Institute imparts education in the disciplines of Biotechnology, Chemical Engineering, Chemistry, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Environmental Science, Information Technology, Mechanical Engineering, Metallurgical and

Materials Engineering, Mathematics, Management Studies and Physics. For more information you may please visit our institute website: [http://www.nitdgp.ac.in/about\\_us.php](http://www.nitdgp.ac.in/about_us.php)

## Speakers

- Prof. Tarkeshwar Kumar, Director, NIT-Durgapur
- Col. (Retd.) Prabhdeep Singh Sandhu, Registrar, NIT Durgapur
- Prof. Indranil Manna, Director, IIT Kanpur
- Prof. Souvik Bhattacharyya, Deputy Director, IIT Kharagpur,
- Prof. Ajay Kumar Roy, Vice-Chancellor, B.E. College, Shibpur
- Prof. Prdaip Kumar Dutta, Professor, Dept. of ME, IISC Bangalore
- Prof. Prakriti Kumar Ghosh, Dean (Finance and Planning), IIT Roorkee
- Dr. Babita Sinha, Associate Professor, Dept. of Humanities, IIT Roorkee
- Dr. Santanu Ray, Research Cell, Durgapur Steel Plant
- Prof. Sudip Chattopadhyay, Professor, NIT Durgapur
- Dr. Tarak Ranjan Gupta, IPR Cell, Shell India
- Mr. Amiya Kumar Kalidaha, DST-Govt of West Bengal
- Shri G.R. Raghavender, Director & Registrar of Copyrights, MHRD, INDIA
- Adv. Rajarshi Rai Chowdhury, Advocate, High Court, Kolkata

## How to reach NIT-Durgapur

The Institute is located about 160 KMs north-west of Kolkata on the Howrah-Delhi Main Railway-Route and on the National Highway No. 2. It is located at a distance of 8 KMs from Durgapur Railway station via City centre near Gandhimore. There are number of AC/non-AC buses plying from city center bus stand to Kolkata through NH-2. It takes near about 3 h by bus/train to reach Durgapur from Kolkata. For more information you may please visit our institute website: [http://www.nitdgp.ac.in/about\\_us.php](http://www.nitdgp.ac.in/about_us.php)

## **Organizing Committee**

### **Chair Person**

Prof. Tarkeshwar Kumar

Director, NIT-Durgapur

### **Vice-Chair Person**

Prof. Partha Pratim Gupta

Professor and Dean (R&C), Department of Chemical Engineering

### **Coordinator**

Dr. Nirmal Baran Hui, Associate Professor

Dr. Supriya Bera, Assistant Professor

### **Joint Coordinator**

Col. (Retd.) Prabhdeep Singh Sandhu, Registrar

Dr. Gopinath Halder, Associate Professor

### **Members**

Prof. Kartik Chandra Ghanta

Dr. Rajat Mahapatra

Prof. Biswajit Halder

Dr. Suchismita Roy

Prof. Sudip Chattopadhyay

Mr. Rajib Chakraborty

Prof. Nirmal Kumar Roy

Mr. Ajit Kumar Bhagat

Prof. Anup Kumar Saha

Mr. Asit Kumar

Prof. Karuna Sindhu Ghosh

Mr. Alok Chattopadhyay

Dr. Jitamanyu Chakrabarty

Mr. Uday Chandra Mukherjee

Dr. Amit Kumar Chakraborty

## **Address for Correspondence**

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