

Importance of the Workshop

Cyber Security is the biggest challenge of this era as the entire world is moving towards the digitisation. This workshop will bring the awareness and the safe practices in users to for a secured cyber space.

Workshop Benefits and Highlights

The course aims at providing students with concepts of computer security, cryptography, digital money, secure protocols, and other security techniques. The course will help students to gauge understanding in essential techniques in protecting Information Systems, IT infrastructure, analysing and monitoring potential threats and attacks and implementing security solutions. The students will also have a wider perspective to information security from national security perspective from both technology and legal perspective.

After completion of this course, the students should be able to:

- Identify the Information Security threats and vulnerabilities in Information Systems
- Apply security measures to real time scenarios
- Identify common trade-offs and compromises that are made in the design and development process of Information Systems
- Appreciate the use of standards and cyber laws to enhance information security.



About the NIT Raipur

National Institute of Technology, Raipur situated in the capital of Chhattisgarh is an institute of National importance. The Institute was founded by first President of India Hon'ble Dr. Rajendra Prasad on 14th September 1956. Based on student's intake in B.Tech Course, it is the largest NIT in India. Presently, the institute offers 12 undergraduate and 6 postgraduate courses including MCA and M. Tech. in Applied Geology. The institute also offers Ph. D programs, R & D activities, testing consultancy and other extension services.

Contents

Cyber Security

Cyber Space is a global domain within the information environment consisting of the interdependent network of information technology infrastructures, including the Internet, telecommunications networks, computer systems, and embedded processors and controllers. Following topics will be the highlights in the same.

- **Introduction to Cyber Security**
- **CIA, Risks, Breaches, Threats, Attacks.**
- **Social Engineering, Foot Printing & Scanning.**
- **Cryptography and Cryptanalysis**
- **Message Authentication, Digital Signatures**
- **Overview of Firewalls.**
- **Cyber Security Vulnerabilities& Safe Guards Internet Security, Cloud Computing**
- **Social Network sites security**
- **Cyber Laws and Forensics**

Registration Form

CYBER SECURITY

14-18, October 2019

NIT Raipur

Full Name :

Department :

Semester :

Institute :

Address :

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Mobile No :

Email :

Signature

Target Participants: The participants to the course will be faculty & Ph.D Scholars from AICTE approved technical institutions. No Registration Fee will be charged from the participants.

Patron

Dr. A. M. Rawani
Director, NIT Raipur

Chairpersons

Dr. Rajesh Tripathi
Dr. S.L. Sinha
HOD Computer Applications

Coordinators

Prof. H Bikrol
Dr. Priyanka Tripathi
Department of Computer Applications

Address of Correspondence

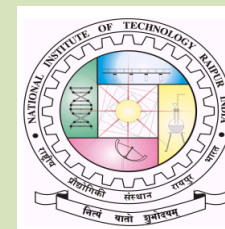
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Registration Link

<https://forms.gle/LeKjdTqHRCfs9D6NA>

CYBER SECURITY

October 14-18, 2019



Department of Computer Applications
NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR



All India Council of Technical Education



AICTE Training And Learning Academy Programmes - ATAL

NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR

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