

## One Week Short Term Course

On

### Recent Developments and Challenges in Internet of Things Security (RDCIoT)

Under

ISEA Project Phase II



July 3 – 8, 2017

Organized by  
Department of Computer Engineering



National Institute of Technology  
Kurukshetra (Haryana)

### INTRODUCTION AND OBJECTIVES

Internet of Things (IoT) based devices are the building blocks for future smart cities where a large number of smart connected devices will make citizens' lives happier and comfortable. IoT will also have a big role in cyber physical systems and critical infrastructure. IoT devices will be collecting a large amount of data, which in many cases would be highly sensitive and very personal and thus, security and privacy is going to be inherent. There are several issues like control of information, integrity of data, need for better authentication and privacy preserving algorithms, techniques for detection and prevention from different attacks like intrusion, denial of service, phishing etc.

Projections for the impact of IoT on the Internet and economy are impressive, with some anticipating as many as 100 billion connected IoT devices and a global economic impact of more than \$11 trillion by 2025.

The Short Term Course (STC) on Recent Developments and Challenges in Internet of Things Security (RDCIoT) intends to focus on advances and challenges in IoT Security but are not limited to:

- Security and Privacy issues in IoT
- Fault Tolerance
- Key Management
- Malware Detection & Prevention
- IoT Application Security
- Information Forensics Issues
- Cyber Physical Systems Security and Privacy
- Laboratory Demonstration and Lab Sessions

### COURSE FACULTY

Resource persons will be invited from IITs, NITs, and other premier organizations / industry.

### ELIGIBILITY

The proposed STC is designed and intended for faculty members of engineering colleges, government officials, industry persons, UG / PG students and research scholars working / interested in this emerging area.

### CONTACT DETAILS

Fax: 01744-238050

Website: <http://www.nitkkr.ac.in> (Look for the STC)

Email: [rdciots2017@gmail.com](mailto:rdciots2017@gmail.com)

### COURSE COORDINATORS

#### **Prof. Mayank Dave**

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Email: [mdave@nitkkr.ac.in](mailto:mdave@nitkkr.ac.in)

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### COURSE CO-COORDINATORS

#### **Dr. Virender Ranga**

Department of Computer Engineering  
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Email: [virender.ranga@nitkkr.ac.in](mailto:virender.ranga@nitkkr.ac.in)

#### **Dr. Syed Taqi Ali**

Department of Computer Engineering  
Phone: 09896002963(Mob)  
Email: [taqiali110@gmail.com](mailto:taqiali110@gmail.com)

### HOW TO APPLY

Interested participants should submit the complete application form in a prescribed format along with the registration fee in the form of demand draft in favor of “**Director, NIT Kurukshetra**” payable at SBI, NIT Kurukshetra (IFSC SBIN0006260).

### REGISTRATION FEES

Faculty : Rs. 3000.00  
Students\* : Rs. 1000.00  
Industry/R&D Participants : Rs. 3000.00

\*Student (UG/PG/PhD) participants need to submit scanned copy of a valid proof/ID along with the registration form. Participants will be provided program kit, lunch and refreshment during the STC. However, accommodation can be arranged in hostel/guest house on nominal payment basis subject to the availability. No TA/DA will be paid to the participants. Number of seats are tentatively limited to 30, therefore, participants will be selected on first come-first serve basis. Scanned copies of duly filled/signed registration form and demand draft should be sent by email to [rdciots2017@gmail.com](mailto:rdciots2017@gmail.com) on or before **June 2, 2017**.

### Address for Correspondence

Coordinator, RDCIOTS 2017, Department of Computer Engineering, National Institute of Technology, Kurukshetra- 136119 Haryana

**Email for registration/DD:** [rdciots2017@gmail.com](mailto:rdciots2017@gmail.com)

### IMPORTANT DATES

Registration Closes on	June 2, 2017
Candidates to be informed by (First List)	June 5, 2017
Candidates to be informed by (Second List)	June 12, 2017

**Note:** In case seats are not filled by June 1, 2017 further applications will be entertained up to June 9, 2017. Information regarding selection will be displayed on institute website. Selected candidates will also be informed by email.

### INSTITUTE

National Institute of Technology, Kurukshetra is one among the foremost Institutes of National Importance imparting higher technical education in India. Department of Computer Engineering is also offering M.Tech. programme in Computer Engineering (Cyber Security) since 2015.

### ISEA PROJECT PHASE II

Information Security Education and Awareness (ISEA) Project of Ministry of Electronics and Information Technology (MeitY) of Government of India, aims at generation of quality human resource in the area of information security at various levels viz. from certificate level to doctoral level, training of faculty/ Industry Professionals, creating awareness on information security in the country. (For details visit <https://www.isea-pmu.in>)

NIT Kurukshetra is a participating institute (PI) in this project. This STC is an activity under the project.

### REGISTRATION FORM Short-Term Course

on

**Recent Developments and Challenges in Internet  
of Things Security (RDCIoT)**

**July 3-8, 2017**

Name: .....

Designation:.....

Age.....

Organization:.....

Address for correspondence:

.....

.....

Tel.....Mob.....

E-mail:.....

Qualifications:

Degree	Year	University

Experience:.....Years... ..Months

Bank Draft Details:.....

Accommodation required: Yes / No

Signature of Applicant

Signature of Head of Department  
with Seal

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Accommodation required:      Yes / No

Signature of Applicant

Signature of Head of Department  
With Seal