

**ISEA Project Phase II FDP**

**Feb 20-24, 2017**

**on**

**Selected topics on security issues in  
Internet of Things**

***Application Form***

Name (Block Letter):

Designation:

Affiliation:

Educational Qualification:

Areas of Interest:

Date of Birth:

Sex: (Male/Female)

Postal Address for correspondence:

Email:

Phone:

AADHAR No.

DD/Cheque No.....Date of issue.....

Bank Name.....Branch .....

Kindly register me for the **ISEA Project Phase II FDP** to be held at MAKAUT, WB during Feb 20-24, 2017.

Date:

Place:

Signature of the applicant

**IMPORTANT DATES**

The last date for the receipt of duly endorsed applications: **14-02-2017**

Intimation of Selection: **15-02-2017**

***Application should reach:***

Dr. Santanu Phadikar/ Dr. Koushik Majumder,  
Department of Computer Science & Engineering,  
Maulana Abul Kalam Azad University of  
Technology, WB, BF 142, Sector 1, Salt Lake City,  
Kolkata 700064, West Bengal

**Phone: 9434185367/9433129635**

Email: [isea2@wbut.ac.in](mailto:isea2@wbut.ac.in)

Web page: <https://goo.gl/G0G25B>

**ABOUT MAKAUT**

Maulana Abul Kalam Azad University of Technology, West Bengal (MAKAUT, WB) founded in 2000 and funded by the Government of West Bengal, MAKAUT, WB provides facilities for the pursuit of degree and advanced-level courses in engineering, management and other professional areas through affiliated institutions and in-house departments.

***ISEA Project Phase II Faculty  
Development Program***

**on**

**Selected Topics on Security  
Issues in Internet of Things**

***Feb 20-24, 2017***



Department of Computer Science and  
Engineering, IIT Guwahati 781039

**&**

Department of Computer Science and  
Engineering, Maulana Abul Kalam Azad  
University of Technology, West Bengal, BF-  
142, Sector-I, Salt Lake, Kolkata 700064,  
West Bengal

## BACKGROUND

Information security, sometimes shortened to Info. Sc., is the practice of preventing unauthorized access, use, disclosure, disruption, modification, inspection, recording or destruction of information. Anyone who is connected to the Internet should know about security. Take time to educate yourself on the issues. Vigilance is the best defense against system vulnerabilities. In this context, a FDP is organized by Information Security Research and Development Centre (ISRDC) IIT Guwahati along with Participating Institute (PI) MAKAUT of ISEA Project Phase II, Department of Electronics and Information Technology (Deit), Under Ministry of IT, Govt of India. Dept of CSE, MAKAUT is hosting the program.

## COURSE CONTENTS & SPEAKERS

**SPEAKER 1:** Shva Deb, RSA Security now (DELLEMC): Introduction to Security Development lifecycle. Security by design. Threat Modeling. Secure coding. Example driven and some hands-on Team will perform an attack or exploit a vulnerability. Reverse engineering a malware and detection technique using an enterprise software.

**SPEAKER 2:** Ferdous Barbhuiya, IIIT Guwahati, Introduction to cloud computing and its security. Threats, attacks on Cloud based Systems and how to secure them. Demonstration of cloud based security using Amazon AWS Hand on cloud security using AWS.

**SPEAKER 3:** Mr. Reshad Patuck, Specialist Smokescreen, Challenges in detecting targeted cyber-attacks Effectiveness of deception technologies in detecting modern attackers Introduction and

Demonstration of distributed deception technologies  
FreeBSD Container virtualization - Jails FreeBSD  
Virtual networking - Net graph Introduction to the Zetabyte file system – ZFS

**SPEAKER 4:** IIT Guwahati Team (Sukumar Nandi, Santosh Biswas, Mayank Agarwal): Sniffing, Bands, Promiscuous Modes, Analyzing Ap-Client Connections, Analyzing Wlan Headers, Bypassing Mac Filters, Wlan Authentication Hacks, Man-In-The-Middle Attack, Wep Cracking, Wpa/wpa2 Cracking, Rogue Access Point & Evil Twin Access Point, Authentication Flooding Attack, Deauthentication/Dissociation Flood attack.

## PARTICIPANTS

The participants at the FDP will be Faculty, prospective faculty, Engineers and system admin from ICT related areas.

## ELIGIBILITY

The course is open to the teachers of Colleges&Universities, approved by AICTE/UGC. No course fees to be charged for participants sponsored by AICTE /UGC approved institutions. However, they need to submit a DD or Cheque of Rs1000 rupees as a caution amount, which would be refunded to you, after you attend the FDP.

Participants from Industry organizations are eligible, provided they pay a course fee of Rs. 5000/- . The payment is to be made by a demand draft/ Cheque drawn on any Nationalized Bank in favour of “ISEA Project (Ph-II) MAKAUT, WB” **Payable at Kolkata.**

## SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs. \_\_\_\_\_ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the ISEA Project Phase II FDP at MAKAUT during Feb 20-24, 2017, if selected.

Date:

Signature of Sponsoring Authority

Designation:

Official Seal:

---

For applicant from Industries and Government Department.

DD No.

Date:

Bank:Amount:

Signature of the Applicant

### ***Application should reach:***

Dr. Santanu Phadikar / Dr. Koushik Majumder,  
Department of Computer Science & Engineering,  
Maulana Abul Kalam Azad University of  
Technology, WB, BF 142, Sector 1, Salt Lake City,  
Kolkata 700064, West Bengal

**Phone: 9434185367/9433129635**

Email: [isea2@wbut.ac.in](mailto:isea2@wbut.ac.in)