

TEQIP II-Sponsored Short-Term Course
On

Introduction to Cryptography

January 27-31, 2017

Course Website:

<http://www.facweb.iitkgp.ernet.in/~ratna/confi.htm>

Sponsored by

Technical Education Improvement Programme (TEQIP II)

Course Coordinator

Prof. Ratna Dutta

<http://www.facweb.iitkgp.ernet.in/~ratna/>



Organized by

*Department of Mathematics
Indian Institute of Technology
Kharagpur 721302, India*

Introduction

The aim of this course is to introduce the areas of cryptography and cryptanalysis to the participants. This course develops a basic understanding of the algorithms used to protect users online and addresses some of the design choices behind these algorithms. One of the major focus in this course is to build a workable knowledge of mathematics used in cryptology. The course emphasizes to provide a basic understanding of previous attacks on cryptosystems with the aim of preventing future attacks. A wide variety of basic cryptographic primitives will be discussed along with recent developments in some advanced topics like functional encryption, two-party/multi-party computation and post quantum cryptography.

Participants

Faculty and students of TEQIP II Technical Institutes are eligible to participate FREE of cost. However, the preference will be given to the faculty members of TEQIP II Institutions. Other participants will have to pay the applicable fees (As seats are limited, the selection will be on first-come-first-serve basis).

Registration & Fees

Registration form in the prescribed format should reach the Coordinator on or before January 17, 2017. As there are only a few seats available for this course, preference will be given to eligible early bird registrations. Please enclose your bio-data along with the filled registration form. The selected participants will be informed through e-mail or by phone on or before January 20, 2017. There is no registration fee for the participants from TEQIP-II institutions.

The following course fees apply for eligible applicants:

For TEQIP-II College Participants

TEQIP-II College Teachers/Students: FREE

The TA (for shortest route, by maximum AC 3-tier) of each college participant will be reimbursed up to a fixed amount, to be decided by IIT Kharagpur on a later date. Relevant claim forms will have to be filled-up by the participant after completing the course. On campus accommodation, if available, will be provided to TEQIP II college participants.

Other Participants

- (a) Overseas Participants: **US \$300,**
- (b) Sponsored Industry/ Research Organizations: **₹ 10,000**
- (c) Self-sponsored Participants: **₹ 5,000**
- (d) IIT Kharagpur students: **₹ 2,000**

The above fees do not include TA/DA/Accommodation for non-TEQIP-II college participants. However, accommodation for these participants can be booked on payment basis based on availability. Such participants should inform their accommodation requirements immediately.

Resource Persons

Prof. Ratna Dutta, Associate Professor, Department of Mathematics, IIT Kharagpur & Other faculty members and research scholars

Address for Communication

Course Coordinator:

Prof. Ratna Dutta

Department of Mathematics, Indian Institute of Technology Kharagpur Kharagpur - 721 302, West Bengal, India
Phone: 03222 282858 (O); 09836915016(Mob) E-mail: ratna.dutta@gmail.com

IIT Kharagpur Campus

Kharagpur is known world over for two landmarks. One, the longest railway platform in the world and the other, the Indian Institute of Technology, more commonly known as IIT. Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by express trains from Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. Private taxi, auto-rickshaw or cycle-rickshaw can be hired to reach the Institute.

APPLICATION FORM
TEQIP II Sponsored Short-Term Course
On
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1. Name: _____

2. Date of Birth: _____

3. Designation: _____

4. Institution: _____

5. Whether the institution has TEQIP II approval: Yes/ No (Attach proof)

6. Address for Correspondence

e-mail : _____ Phone : _____

7. Educational qualifications: _____

8. Experience (in years): _____

9. Accommodation Required: Yes/ No

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration without any failure.

Place:

Date:

Signature:

Sponsorship Certificate

Dr. / Mr. / Mrs. / Ms. _____ is a full-time employee/student of our Institute and is hereby sponsored to participate in the TEQIP II Sponsored Short-Term Course on "Introduction to Cryptography". It is also certified that our college/university/institute is approved by TEQIP II (Strike off the sentence, if not applicable).

Signature and Seal of Head of Institution

Place:

Date: