

FACULTY DEVELOPMENT PROGRAMME

on

Cryptography and Algebraic Coding Theory

March 14 - 18, 2017

JOINTLY ORGANIZED BY

DEPARTMENT OF APPLIED SCIENCE & HUMANITIES
AND
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



INDERPRASTHA ENGINEERING COLLEGE
GHAZIABAD

SPONSORED BY



DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY
UTTAR PRADESH, LUCKNOW



Likely Resource Persons

Prof. D.K. Dalai, NISER, Pune
Prof. K R Parthasarthy, Indian Statistical Institute, New Delhi
Prof. Shanta Laishram, Indian Statistical Institute, New Delhi
Prof. R K Sharma, IIT, Delhi
Prof. K. Gopinath, Indian Institute of Science (IISc), Bengaluru
Prof. Naveen Garg, IIT, Delhi
Prof. H.C. Taneja, Delhi Technological University, Delhi
Prof. S G Tripathi, HRI Jhunsi, Allahabad
Prof. Sudesh Kaur Khanduja, IISER Mohali, Punjab
Prof. R.J. Hans Gill, Punjab University, Punjab
Prof. Gurmeet Kaur Bakshi, Punjab University, Punjab

Registration

Registration Fee: Rs. 2000/- for each participant.

Registration fee may be paid through Demand Draft/pay-order in favour of 'Inderprastha Engineering College', payable at New Delhi.

For Electronic Transfer : Bank Name- HDFC BANK LTD., Account No. 50100087471211, IFSC Code-HDFC0000153, Branch-D-44, RDC, Rajnagar, Ghaziabad

Registration Form in the prescribed format should reach via mail before 05.03.2017
(E-mail : mandeep.katre@ipeec.org.in)

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. (Dr.) Vinay Kumar Pathak

Vice Chancellor

Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Program Coordinator

Prof. V.K.Singh

Professor of Mathematics

PATRON

Prof. B.C. Sharma, Director

Inderprastha Engineering College

Ghaziabad

Program Co- Coordinator

Dr. Rekha Kashyap, HOD-CSE

Dr. Shephali Tyagi, HOD-ASH

Contact Person :

Mr. Mandeep Katre

E-mail : fdp@ipeec.org.in

Mobile No. 9810924335

INDERPRASTHA ENGINEERING COLLEGE

63, Site-IV, Sahibabad Industrial area,
Suryanagar Flyover Road, Sahibabad,
Ghaziabad (U.P.)-201010

Phone: 0120-4535000,2895135/136/137

Website: www.ipeec.org



Estd. 2000



Five Day

Faculty Development Program [FDP]



On

CRYPTOGRAPHY AND ALGEBRAIC CODING THEORY

March 14 - 18, 2017

Jointly Organized by

Department of
Applied Science & Humanities
and
Computer Science & Engineering

Sponsored by

**DR. A.P.J. ABDUL KALAM
TECHNICAL UNIVERSITY,
UTTAR PRADESH,
LUCKNOW**

INDERPRASTHA ENGINEERING COLLEGE

63, Site-IV, Sahibabad Industrial area,
Suryanagar Flyover Road, Sahibabad,
Ghaziabad (U.P.)-201010

Phone: 0120-4535000,2895135/136/137 Website: www.ipeec.org

About the College

*IPEC the emblem of excellence, an NBA Accredited, ISO 9001:2008 certified institute is ranked amongst top 10 colleges of Dr. APJAKTU, Lucknow. **Inderprastha Engineering College (IPEC)** was established in year 2000 as a self financed institution to cater to the demands of technical education in the NCR region of UP. IPEC is approved by AICTE and affiliated to **Dr. A.P.J. Abdul Kalam Technical University (Formerly Uttar Pradesh Technical University), Lucknow.** The lush green sprawling campus of IPEC spread over 15 Acres is located close to National Capital in the midst of Sahibabad Industrial Area. The distance of only 2 Km from Anand Vihar ISBT and 500m from Vaishali Metro Station makes it approachable for the aspiring engineers*

*IPEC offers undergraduate programs (**B.Tech. degree**) in six disciplines of engineering viz. Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Information Technology, Mechanical Engineering and Civil Engineering. IPEC also offers Post Graduate Program (M.Tech Degree) in three disciplines of Engineering CSE, ECE and ME.*

Department of Applied Science & Engineering

The various departments that merge under ASH department are Mathematics, Chemistry, Physics and Humanities. Engineering programmes have the distinct objective of equipping the students with knowledge, skills and attitude in engineering and technology, so as to make them capable of successfully meeting the present requirement and future challenges in engineering profession. Applied Science & Humanities department is striving relentlessly to develop IPEC into a centre of excellence by imparting value education for technical and professional upliftment of its students. The faculty is in constant touch with various experts in the relevant field, is open to and willing to experiment with latest ideas in teaching.

Department of Computer Science & Engineering

The Department of Computer Science and Engineering has a vision to provide ample opportunity to the young engineers, for evolving their core competencies for building up their career as world class professionals with strong foundation, in-depth knowledge and versatile personality to meet the challenges of global economy. It is equipped with state of art laboratories, industry tie-ups, Project labs and workshops for perusing higher education and research. In order to give due significance to applied as well as theoretical concepts of computing, the curriculum for the B.Tech (CSE), M.Tech (CSE) program covers most of the stated aspects of computing sciences, and provides an ambience where students can sprout into Computer Engineers of tomorrow posing requisite attributes

About Faculty Development Program

OVERVIEW

Error-correcting codes have been heavily used in cryptography since the 1970s. Their early applications include secret sharing, randomness extraction, secure multiparty computation, and hard-core bits for one-way functions. In recent years, much attention has been given to error-correcting codes with special properties that are motivated by cryptographic applications. For instance, secure multi-party computation can be based on error-correcting codes with a certain "multiplicative" property, and private information retrieval on codes with local decoders. The goal of protecting cryptographic implementations from physical leakage and tampering recently gave rise to several new types of codes, such as algebraic manipulation detection codes and non-malleable codes, which offer the "best possible security" against powerful attacks that go beyond the limits of classical error-correction.

OBJECTIVE

*The **Five-day Faculty Development Program (FDP)** aims at deliberation, sharing knowledge to the target audience about the significance of Cryptography and Algebraic Coding Theory.*

This program is to enrich the faculty knowledge and will provide excellent opportunity to exchange ideas on the topic of importance along with thought provoking technical sessions.

It aims at providing a forum for members of research and academic community, to interact cutting-edge.

CERTIFICATION

Participants will earn 10 points (as per UGC guidelines) for his/her API score after successful completion of Five-Day FDP. 'Certificate of Participation' will be issued to all the participants by the IPEC in collaboration with Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow.

ELIGIBILITY

Faculty members from institutions affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow will participate in the FDP

ACCOMODATION

Accommodation may be arranged based on request from participants.



FIVE DAY

FACULTY DEVELOPMENT PROGRAMME



On

CRYPTOGRAPHY AND ALGEBRAIC CODING THEORY

MARCH 14 - 18, 2017

REGISTRATION FORM

NAME	
DESIGNATION	
DEPARTMENT	
COLLEGE/ORGANIZATION	
ADDRESS	
MOBILE NO.	
E-MAIL ID	
ACCOMODATION REQUIRED	[YES/NO]

PAYMENT DETAILS

<i>(in case Demand Draft)</i>	<i>(in case Electronic Transfer)</i>	Beneficiary : Inderprastha Engineering College Bank Name : HDFC Bank Ltd. Account No. 50100087471211 IFSC Code: HDFC0000153 Branch: D-44, RDC Rajnagar, Gzb.
Demand Draft No.....	UTR No.	
Drawee Bank.....	Date	
DD Date	Bank	
Amount : 2000/-	Amount : 2000/-	

Date: [Signature of Applicant]

Dr./Mr./Ms. _____ is a faculty member of our Institute/College and hereby allowed to participate in the FDP on "Cryptography and Algebraic Coding Theory" from 14th to 18th March, 2017 at Inderprastha Engineering College, Ghaziabad [U.P.]

Date: _____ Signature of Head of Institute/Dept.
College Seal:

Kindly submit duly filled registration form to : fdp@ipec.org.in before 5th March, 2017. For any assistance please contact Mr. Mandeep Katre, Mobile No. 9810924335

INDERPRASTHA ENGINEERING COLLEGE

63, Site-IV, Sahibabad Industrial area, Suryanagar Flyover Road, Sahibabad, Ghaziabad (U.P.)-201010

Phone: 0120-4535000,2895135/136/137, Website: www.ipec.org