

ADVISORY COMMITTEE

Prof S.Ramachandram, Vice-Chancellor, OU
Prof S.Sameen Fatima, Principal, UCE(A), OU
Prof P. Premchand, Dean, Informatics, OU
Prof P. Ramkumar, Dept of CSE, UCE, OU

CONVENORS

Dr. K. Veerabhadra Rao, Dept of CSE
Prof. Venkat Dass Maredu, Dept of CSE

ORGANISING COMMITTEE

Mr. S. Ram Babu, Head, Dept of CSE
Mr. S. Srinivas Rao, Dept of CSE
Mr. L. K. Suresh Kumar, Dept of CSE
Dr. K. Shyamala, Dept of CSE
Dr. P. V. Sudha, Dept of CSE
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Mrs. E. Pragnavi, Dept of CSE
Mrs. V. Sukanya, Dept of CSE
Mr. K. Srinivasa Reddy, Dept of CSE
Mrs. K. Pranitha Kumari, Dept of CSE
Mr. I. Govardhana Rao, Dept of CSE
Mr. M. Thirupathi, Dept of CSE
Mrs. A. Gayathri, Dept of CSE
Mr. K. Satyanarayana, Dept of CSE
Mrs. S. Radha Rani, Dept of CSE
Mr. M. Narender Reddy, Dept of CSE
Mrs. K. Jaya, Dept of CSE
Mrs. C. Vani, Dept of CSE

"Mathematics for Researchers in Cryptography"

INAUGURAL FUNCTION
on 17-04-2017 at 9.15 A.M

Chief Guest: **Prof. SAMEEN FATIMA, Principal, UCE, OU**

FOR INAUGURATION ALL PARTICIPANTS ARE REQUESTED TO BE SEATED IN HALL BY 9.10 A.M.

DAYS\TIME	17 th April (Monday)	18 th April (Tuesday)	19 th April (Wednesday)
930 TO 1100	CG	CG	CG
1100 TO 1115	TEA BREAK	TEA BREAK	TEA BREAK
1115 TO 1245	CG	CG	CG
1245 TO 1345	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK
1345 TO 1515	VS	VS	VS
1515 TO 1530	TEA BREAK	TEA BREAK	TEA BREAK
1530 TO 1700	VS	VS	VS

THREE DAY WORKSHOP

(In Commemoration of Sir Srinivasa Ramanujan)

ON

MATHEMATICS FOR RESEARCHERS IN CRYPTOGRAPHY

(On the Occasion of Centenary Celebrations)

APRIL 17-19, 2017

FACULTY DEVELOPMENT PROGRAMME
17-19, APRIL, 2017



Venue

Sir Srinivasa Ramanujan Computing Hall
DEPT. OF CSE, UCE, OU



Department of Computer Science and Engineering
UNIVERSITY COLLEGE OF ENGINEERING (A)
OSMANIA UNIVERSITY, HYDERABAD
TELANGANA STATE

Mathematics is the pioneer subject for all the disciplines in human history. Computer Science is no exception for this kind of argument; even learned doyens are of the opinion that mathematics is also mother and fathom for Computer Science & Engineering. This course is being organized on the eve of Centenary Celebrations, Osmania University. Hence, on this historical occasion it is a great pleasure to meet all the researchers. Enough emphasis is given to mathematics to improve the skills of research in the field of Cryptography. We have also included the applications of cryptography.

THEME



(SR) Prof.S.Ramachandram,
Vice-chancellor



(SF) Prof. Sameen Fatima
Principal,
University College of Engineering(A),
Osmania University, Hyderabad – 500 007.



(VS) Dr. V Srinivas OU

Number Theory

- Divisibility
- G.C.D
- Prime and Relatively Prime Numbers
- Testing of Primality
- Euclid's Algorithm
- Modular Arithmetic
- Fermat's and Euler's Theorems
- The Chinese Remainder Theorem
- Applications of Number theory in Cryptographym,Some Examples

SPEAKERS



(CG) Dr. C. GOVERDHAN

Chairperson, Board of Studies in Computer Science
Department of Mathematics, Osmania University

ABSTRACT ALGEBRA

- Introduction to Groups, Examples
- Addition and Multiplication Modulos with Examples..
- Homomorphism, Permutations
- Cyclic Groups
- Rings, Types of Rings, Examples
- Fields, Finite Fields, Examples.
- Discrete Logarithm
- Applications in Elliptic Curve Cryptography (ECC)



(MV) Prof. Venkat Dass Maredu (OU)
Relations and Functions



(KV) Dr.K.Veerabhadra Rao (OU)
Examples of Research Problems



SPEAKERS

REGISTRATION FORM

THREE DAY WORKSHOP ON

(in commemoration of Sir Srinivasa Ramanujan)
MATHEMATICS FOR RESEARCHERS IN CRYPTOGRAPHY
17th - 19th April 2017

Sponsored by:

Department of CSE, UCEOU, Hyderabad
on the eve of Centenary Celebrations

Name : Prof/Dr/Mr/Mrs _____

Designation : _____

Organization Address : _____

Tel : _____ Fax : _____

Address for Communication : _____

Mobile : _____

Email : _____

Registration Fee : _____

D.D.No. _____ Dated : _____

Drawee Bank : _____

Date : _____

Place : _____

Please e-mail the registration form on or before 15th April, 2017.

Signature

REGISTRATION FEE DETAILS:

STUDENT	Rs. 2000/-
FACULTY	Rs. 3000/-
INDUSTRY	Rs. 5000/-
Last Date for Registration	15 th April, 2017

Intake : 30 only, FCFS is followed