

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

Dr. K. Shyamala, Head, Dept of CSE
Mr. S. Ram Babu, Dept of CSE
Mr. S. Srinivas Rao, Dept of CSE
Mr. L. K. Suresh Kumar, Dept of CSE
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Mr. K. Srinivasa Reddy, Dept of CSE
Mrs. K. Pranitha Kumari, Dept of CSE
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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 20-07-2017 at 9.15 A.M		FOR INAUGURATION ALL PARTICIPANTS ARE REQUESTED TO BE SEATED IN HALL BY 9.10 A.M.		DAYS\TIME		20 th July (Thursday)		21 st July (Friday)		22 nd July (Saturday)	
Chief Guest: Prof. SAMEEN FATIMA, Principal, UCE, OU				930 TO	1100	CG	CG	CG	CG	CG	CG
				1100 TO	1115	TEA BREAK		TEA BREAK		TEA BREAK	
				1115 TO	1245	CG	CG	CG	CG	CG	CG
				1245 TO	1345	LUNCH BREAK		LUNCH BREAK		LUNCH BREAK	
				1345 TO	1515	VS	VS	VS	VS	VS	VS
				1515 TO	1530	TEA BREAK		TEA BREAK		TEA BREAK	
				1530 TO	1700	VS	VS	VS	VS	VS	VS

For Details Contact:

Prof. VENKAT DASS MAREDU
CONVENOR

Department of Computer Science and Engineering,
Osmania University, Hyderabad.
Mobile No : +91 9440488428
Email : vmaredu@gmail.com

THREE DAY WORKSHOP

(In Commemoration of Sir Srinivasa Ramanujan)

ON

MATHEMATICS FOR RESEARCHERS IN CRYPTOGRAPHY

(On the Occasion of Centenary Celebrations)

JULY 20 - 22, 2017

FACULTY DEVELOPMENT PROGRAMME
20 - 22, July, 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.



(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



(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
20th - 22nd July 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 29th April, 2017.

Signature

REGISTRATION FEE DETAILS:

FULLTIME PH.D. SCHOLAR	Rs. 2000/-
FACULTY	Rs. 3000/-
INDUSTRY	Rs. 5000/-

Last Date for Registration 19th July, 2017 - 5 p.m.

Intake : 30 only, FCFS is followed

THEME

SPEAKERS