

CHIEF PATRON

Dr. V. MALAKONDA REDDY

President, CBIT

PATRONS

Sri. N. SUBASH

Secretary & Correspondent, CBES

Smt. D. SANDHYA SREE

Chairperson - D&P, CBIT

ADVISOR

Dr. P. RavinderReddy,

Principal, CBIT

Conveners

Prof. P. Raj Reddy,

Head, Dept. of Maths

Prof. M. Ganeshwar Rao

Co-Convener

Dr. P. Suresh, Asst. Prof. (Sr.)

Student Co-ordinators

Kush, BE-IV Sem., CSE

Sai Kiran, BE-IV Sem., CSE

Sumedhaa, BE-IV Sem., IT

Saisudha, BE-IV Sem., IT

RESOURCE PERSONS:

Illustrious Speakers with Academic, Industry and Research Experience will share the Current Developments in the field of Applications of Number Theory and Cryptography

Dr. C. Govardhan, Associate Professor, Department of Mathematics, OU, did P.G. and Ph.D., in Number Theory from Osmania University. He has 25 years of Teaching and Research experience and helped many students to get CSIR & JRF Scholarships in the Department of Mathematics. He received many Awards Nationally and Internationally for his outstanding contribution in field of Academics.

Dr. V. Srinivas, Senior Assistant Professor did P.G. and Ph. D., in Fixed Point Theory from Osmania University. He has Published 58 Papers in various National and International Journals.

Dr. M. Swami Das, Professor, Department of CSE, CBIT did Ph.D., in Image Processing from JNTU (H) University. He has 25 years of Teaching and Research Experience and Published 50 Papers in various National and International Journals.

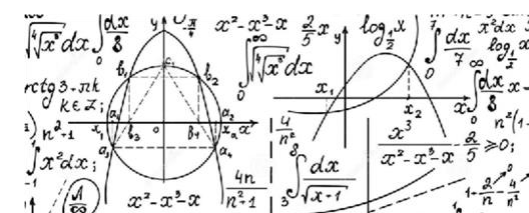
DEPARTMENT OF MATHEMATICS

is Organizing
**One Day Online National
Seminar**

on

APPLICATION OF NUMBER THEORY AND CRYPTOGRAPHY

08th July, 2020



ABOUT CBIT

CBIT is one of the Premier Engineering Institutes in India, Pioneer in Telangana State and located at idyllic surroundings of Gandipet Lake, Hyderabad. The Institute offers Nine UG and Eleven PG Programs including PG in Management Studies. It has been Standing Tall as a temple of Knowledge for the past 40 years and has a strength about 25,000 Alumni, Eminent and Skillful Graduate Engineers, who are successful in their Careers, contributing their best to the MNCs and also successful in their Entrepreneurship and other occupations across the World. The Institute has been accredited by NBA - AICTE and NAAC - UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. Brilliant and Meritorious Students with good EAMCET Rank are the asset of our Institute who are being perfected to meet the Industry Challenges.



Department of Mathematics

The Department of Mathematics currently has 12 faculty members who have vast Research interest in different Domains of their respective Fields such as Fluid Mechanics, Number Theory, Fixed Point Theory, Applied Regression Analysis, Numerical Methods, Reliability Theory and Operations Research.

Objective of the Seminar

Number Theory plays an important role in Encryption Algorithm. Cryptography is the practice of hiding information, converting some secret information. It is very useful in securing our Data from malicious intruders, system glitches, human errors and has become paramount in the modern systems. Therefore, this Seminar is very useful for all U.G., P.G., and Research Scholars to evaluate Cyber Security problems.

CONTACT NUMBERS:

Dr. M. Ganeswar Rao, 8309151907

Dr. P. Suresh, 9848732537

Organizing Committee

Dr. Swatmaram, Associate Prof, 9849167507

Dr. G. Narsimlu, Asst. Prof (Sr), 9490266616

Dr. B. R. Sreedhar, Asst. Prof (Sr), 9440461196

Mr. M. Amarnath, Asst. Prof, 9866197869

Dr. M. Mamtha Thakur, Asst. Prof, 9618778184

Dr. K. Sharada, Asst. Prof, 9963458781

Dr. A. Padma, Asst. Prof, 9248024866

Dr. P. Kiran, Asst. Prof, 9573273272

Topics to be covered

- Introduction to Number Theory
- Division Algorithm
- Euclidean Algorithm
- Linear Congruences
- Chinese Remainder Theorem and Applications
- Euler's Theorem and Applications
- RSA & Cryptography and Applications
- Elliptical curves

Important Dates

Last Date for Registration: **05th July, 2020**

NOTE

☞ No Registration Fee

☞ All the interested Faculty, PG, and UG Students to Register through Google form mentioned below

<https://docs.google.com/forms/d/1WUu2p4wZYPkqMHF5PvaPOiZqiRwHc9S1NPMAUVSfuZA/edit>