



Workshop on



Number Theory & Some Applications

Organised by

Department of Mathematics, NIT Calicut

under

Scientific Social Responsibility (SSR) Scheme – SERB (India)



September 20-21, 2023

Workshop Overview & Participation Information

Patron

Prof. Prasad Krishna,
Director,
NIT Calicut

Chairman

Dr. Mahesh Kumar,
Head, Dept. of Mathematics,
NIT Calicut

Coordinator

Dr. Sudhansu Sekhar Rout,
Dept. of Mathematics,
NIT Calicut

Objective:

- Cultivating interest in the broad area of number theory and its applications, including cryptography.
- Exposure to various applications of number theory.
- Coverage of key topics: divisibility, modular arithmetic and its applications to cryptography, prime numbers, primality testing, time complexity, and recurrence sequences.
- Discussion on critical concepts and state-of-the-art research in number theory.

Registration Details:

- Registration costs supported by the SERB, GoI for all selected participants.
- Inclusions: registration kit, access to all workshop sessions, working lunch, tea/snacks on both days, and participation certificate.
- Accommodation available upon request on a payment basis.
- No provision for TA/DA.

Target Beneficiary:

- Open to faculty members from colleges.
- Limited to 25 participants on a first-come, first-serve basis.

Registration Process:

- Apply at <https://shorturl.at/qPXZ3>.
- Selection will be confirmed via email.
- Last Date for Application: 21/08/2023

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Speakers



Prof. Srinivas Kotyada,
IMSc Chennai



Prof. Muralikrishnan K,
NIT Calicut



Dr. M. Subramani,
IIITDM Kancheepuram



Dr. Sudhansu Sekhar Rout,
NIT Calicut

About the Institute & Department

The National Institute of Technology Calicut (NITC), an institution of national importance under the NIT Act 2007, was originally a Regional Engineering College established in 1961 and now offers diverse programs from bachelor's to doctoral degrees across Engineering, Science, Technology, and Management. Among its oldest departments, the Department of Mathematics provides robust courses for B. Tech, M.Tech, B. Arch students, and advanced degrees in Mathematics, actively conducts faculty development programs, and maintains state-of-the-art research facilities, consistently engaging in sponsored research and consultancy work, all under the support of DST-FIST.