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## Conferences Organised

### Teachers' Enrichment Workshop

Teachers' Enrichment Workshop on Complex Analysis and Number Theory during Dec 18 – Dec 31, 2021. This is a 3 weeks programme for college teachers. About 56 participants registered for the programme. The event is financially supported by NCM.

## Conference Participation

### Ashok, Sujay K.

Participated in the Indian Strings Meeting held at IIT Roorkee (online) during Dec 12 – Dec 17, 2021. Invited Speaker

### Coimbatore Balram, Ajit

Participated in the Young Investigator's Meet on Quantum Condensed Matter Theory - 2021 held online (organized by NISER, Bhubaneswar) during Nov 16 – Nov 19, 2021. Invited talk

### Gun, S.

Participated in the Pan Asian Number Theory Conference 2021-Kyoto held at RIMS, Kyoto (Online) during Dec 6 – Dec 10, 2021. Invited Speaker

Participated in the BRICS Mathematics Conference held at IISER Thiruvananthapuram (Online) during Dec 7 – Dec 10, 2021. Invited Talk

### Mahajan, Meena B.

Participated in the 4th BRICS Mathematics Conference held at hybrid mode – IISER Thiruvananthapuram and online during Dec 7 – Dec 10, 2021. Gave a plenary talk titled "The complexity of formal proofs".

Participated in the 41st FSTTCS Conference held Online during Dec 15 – Dec 17, 2021. Gave a short presentation on the paper "On (Simple) Decision Tree Rank"

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### **Mukherjee, Nayana**

Delivered a talk on August, 2021 entitled "Reaction-diffusion systems: An overview" in BIOM: Recent Advances in Mathematical Biology (A one day National Level Webinar) at Karanjia Autonomous College, Odisha, India.

### **Srinivas, K.**

Participated in the Second International Webinar on Recent Developments in Number Theory held at Online Mode, Organized by KIIT, Bhubaneswar. during Oct 1 – Oct 4, 2021. Delivered a talk with the title On the zeros of Riemann zeta-function and its analogues.

Participated in an International Conference on Class Groups of Number Fields and Related Topics held at Online Mode, Organized by KSoM, Kerala. during Oct 21 – Oct 24, 2021. Delivered a talk titled “Parametrized families of quadratic fields with  $n$ -rank at least 2”.

### **Sharma, Sayantan**

Invited lecturer in the IV ALICE-India school on Quark-Gluon Plasma, organized by Bose Institute, Kolkata between Nov 8-20, 2021 (online). Gave 4 lectures on Standard Model of Particle Physics for beginning Ph. D. students. The lectures are available online in the following link. <https://indico.cern.ch/event/1090153/timetable/>

## **IMSc Outreach**

### **Azadi Ka Amrit Mahotsav**

The Institute of Mathematical Sciences (IMSc), Chennai, is celebrating the 75th anniversary of India's independence with a year-long calendar of popular scientific talks, a line-up of distinguished lecturers, public outreach programmes, exhibitions and educational initiatives.

The following are the distinguished and popular lectures organized during period