



# THE INSTITUTE OF MATHEMATICAL SCIENCES

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## ANNUAL REPORT

Apr 2021 - Mar 2022

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#### **4.2.5 Modular forms, an online conference, during 17th Sep – 19th Sep, 2021**

Modular forms: an online conference in honour of Prof. B. Ramakrishnan's 60th birthday (17th to 19th September 2021)

Prof. Ramakrishnan has made significant contributions in the theory of integral and half-integral weight modular forms, Jacobi forms and Siegel modular forms. The conference highlighted his work in these areas on the occasion of his 60th birthday.

More Details in: <https://sites.google.com/view/modularformsconference/home>

Support: The Institute of Mathematical Sciences (IMSc) and Chennai Mathematical Institute (CMI).

#### **4.2.6 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.

#### **4.2.7 Workshop for CACM India Region Special Issue during Mar 23 – Mar 24, 2022.**

Communications of the ACM, the flagship magazine of the ACM is coming out with a special issue to highlight activities from India region. This workshop was a meeting that had talks on possible abstracts that can be submitted to the special issue.

### **4.3 Outreach Activities**

#### **IMSc Ganakam program:**

IMSc students have been running a weekend program for staff children to help them with school work etc. The general plan is to help children with whatever they want to learn.

Currently, IMSc volunteers help children with languages (English, Hindi), Maths/Science HW/doubts, basic programming (with use of computer lab) as well as some fun activity/experiment sessions. The program runs every Saturday (4:30-6:00pm) and Sunday (3:30-6:00pm) since March, 2022 and has been regularly attended by 20 students from 5th-12th std. Organizers: IMSc students

#### **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 lectures, public outreach programmes, exhibitions and educational initiatives. The following are some of these lectures organized during 2021-2022 :