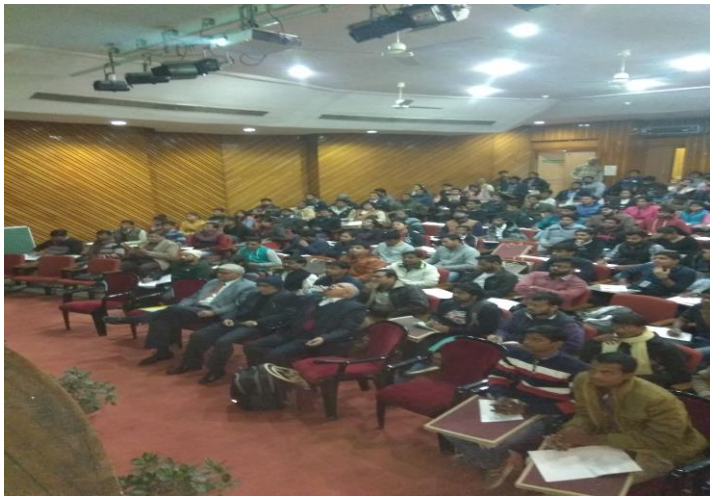
The National Academy of Sciences, India

5, Lajpatrai Road, Prayagraj – 211002

A Report on National Mathematics Day – 2018:
Workshop on "Finite Fields and Galois Theory" (December 22-23, 2018)



A photograph of the Inaugural function

The National Academy of Sciences, India (NASI), the first Science Academy of this country, organized a two-day Workshop on **"Finite Fields and Galois Theory"** to celebrate the National Mathematics Day on Dec. 22-23, 2018 at its head-quarters at Prayagraj on the auspicious occasion of the birth anniversary of eminent mathematician Srinivasa Ramanujan. The main objective of the workshop was to arrange a series of popular lectures on modern mathematics influenced by S. Ramanujan, such as Finite fields, Polynomials and their irreducibility, Splitting fields, Construction by ruler and compass, Galois Theory, solvability by radicals etc. It was attended by more than 250 students/researchers/teachers from all across the country; they were from IITs, IISERs, NITs, and several prestigious universities of India.

The inaugural function started with welcome address by Dr. Niraj Kumar, Executive Secretary, NASI & Local Coordinator of the workshop. He welcomed all the dignitaries, scientists, researchers & students present in the auditorium. Prof. Satya Deo, convener of the workshop, Emeritus Scientist at HRI, Prayagraj and former Vice-Chancellor, APS University, Rewa, explained the main objectives of the workshop. He threw light on the inspiring life of Ramanujan & his work on Number Theory. He also talked about how Srinivasa Ramanujan became the great mathematician and one of the youngest Fellows of the Royal Society. He told that in 2011, the Government of India declared 22nd December as National Mathematics

Day in the memory of Srinivasa Ramanujan. Prof. Ramji lal, eminent mathematician and former Head of the University of Allahabad (UoA), expressed that the life of Ramanujan is an inspiration for young researchers and scientists as Ramanujan worked with all odds; but proved his geniosity. According to Professor H.K. Mukherjee, Mathematics Department, NEHU, Ramanujan was a great mathematician in true sense. Professor S. S. Khare, Mathematics Department, NEHU, Shillong, pointed out that the duty of a teacher is to identify the talent of the student and nurture as per her/his potential. The vote of thanks was proposed by Shri. A.K. Srivastava, Dy. Executive Secretary of the Academy. Prof. K A Suresh, FNASc and Prof. Ravindra Dhar, MNASc also graced the occasion.

The speakers- Prof. Satya Deo, Prof. Ramji lal, Prof. S. S. Khare and Professor H.K. Mukherjee delivered lectures on Geometric constructions and Galois Theory, Finite fields and Galois theory, Solvability of polynomial equations by radicals and Some Aspects of Galois theory, respectively in the first day of the workshop.

The workshop continued on 23rd Dec. 2018; in which the lectures were delivered by the aforesaid distinguished mathematicians, as well as by Prof. Ravindra Shukla on Primitive Element Theorem and some Computations. Prof. Bhupesh Tripathi, UoA interacted with the students on both the days. All the participants appreciated the course, content and lectures delivered in the workshop. Mr A. K. Srivastava, Dy. ES, NASI, Sri B. P. Singh & Dr Pavitra Tandon, AES, NASI, Ms Archana Pant and other staff members as Mr Shaktisheel Chaturvedi, Mr Ankit Trivedi, Mr Deepak Verma, Mr Raghavendra Pratap, Mr Navin Srivastava, Mr Rajeev Mishra, Dr Smita Venkatesh, Dr. Vridhhi Nigam, Ms Rashmi Misra, Mrs. Meera Shukla were present during the two days workshop; and supported the programme with their active participation.

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रामानुजन ने गणित को बनाया आसान

प्रयागराज। गणित दिवस (श्रीनिवास रामानुजन जयंती) पर राष्ट्रीय विज्ञान अकादमी (नासी) में दो आयोजित दो दिवसीय वर्कशॉप का रविवार को समापन हुआ। वर्कशॉप में देश भर से आए डाई सी छात्रों, शिक्षकों एवं शोधार्थियों को संबोधित करते हुए वक्ताओं ने कहा कि रामानुजन ने गणित को आसान और आम जन के बीच लोकप्रिय बनाया। वर्कशॉप के समन्वयक प्रो. सत्य देव ने रामानुजन के जीवन और उनकी नंबर थ्योरी पर प्रकाश डाला। प्रो. रामजी लाल, प्रो. एसएस खरे और प्रो. एचके मुखर्जी ने भी अपने विचार प्रस्तुत किए। नासी के कार्यकारी सचिव डॉ. नीरज कुमार ने आगंतुकों का स्वागत किया।

Valedictory Function Photographs