

“There is no branch of mathematics, however abstract, which may not some day be applied to phenomena of the real world”

.... Nikolai Lobachevsky

History of the Department

Applied Mathematics is an interdisciplinary subject whose objective is to develop necessary mathematics to solve real world problems. In the early twentieth century, the Department of Applied Mathematics, University of Calcutta was engaged with teaching and research in different fields of mathematics. Several luminaries like Prof. Satyendranath Bose, Prof. Meghnad Saha, Prof. Nikhil Ranjan Sen and many other eminent personalities were students as well as teachers of this department. In the late twentieth centuries, this department introduced cybernetics, advanced computer science, astrophysics, operation research as special papers in the curriculum. Later plasma dynamics, mathematical ecology, quantum information and computation and dynamical systems were also introduced. The department has rich tradition of teaching and research in computational mathematics.

Objective of the Seminar

To provide a platform for researchers, academicians, and practitioners to present and discuss recent advances in applied mathematics and its allied areas.

To expose students and young researchers in emerging research trends, tools, and problem-solving techniques in applied mathematics.

To facilitate knowledge exchange on mathematical modeling, numerical methods, simulation, and computational techniques.

Theme: The seminar will focus on **cutting-edge developments in mathematical methods applied to solve real-world problems**. This seminar explores the rapidly evolving landscape of applied mathematics, focusing on modern mathematical modeling, advanced computational techniques, data-driven approaches including AI and machine learning, optimization methods, and their transformative applications across science, technology, and engineering. The theme of the programme is under the purview of RUSA-2.0- CenSISA- Area-7 (Mathematical and Statistical Modeling).

Venue: Seminar Hall, Department of Applied Mathematics, Rashbehari Siksha Prangan (Commonly known as Rajabazar Science College), University of Calcutta, 92, A.P.C.Road, Kolkata – 700009, West Bengal, India

National Seminar on

**Recent Trends in
Applied Mathematics
and Computing - 2026
(RTAMC-2026)**

10-12th March, 2026

(Supported by RUSA-2.0- CenSISA- Area-7 and University of Calcutta)



University of Calcutta

**Department of Applied
Mathematics**



Organizing Committee

Prof. Swarup Poria (Head)
Prof. Susmita Sarkar (Acting Dean of Science)
Prof. Debasis Sarkar (Convenor)
Prof. Samiran Ghosh
Prof. Soumen De (Jt. Convenor)
Prof. Uttam Ghosh (Jr. Convenor)
Dr. Indrani Chattopadhyay
Dr. Nantu Sarkar (Asst. Convenor)
Prof. Ansuman Lahiri (Coordinator RUSA 2.0
CenSISA- Area 7)
Prof. Parongama Sen (Coordinator RUSA 2.0
CenSISA- Area 7)
Prof. Nikhil Guchhait (Campus-In-Charge
RUSA 2.0)

Tentative List of Speakers

1. Prof. Guruprasad Kar, Indian Statistical Institute, Kolkata
2. Prof. Sitabhra Sinha, Institute of Mathematical Sciences, Chennai
3. Prof. Vishwesha Guttal, Indian Institute of Science, Bangalore
4. Prof. Joydev Chattopadhyay, Indian Statistical Institute, Kolkata
5. Prof. Arvind Kumar Mishra, Banaras Hindu University, Varanasi
6. Prof. Anup Bandyopadhyay, Jadavpur University, Kolkata
7. Prof. Gorachand Layek, Burdwan University, West Bengal
8. Prof. Sudeshna Banerjee, Jadavpur University, Kolkata
9. Prof. Nadadulal Bairagi, Jadavpur University, Kolkata
10. Prof. S. R. Manam, Indian Institute of Technology, Chennai
11. Prof. Rupanwita Gayen, Indian Institute of Technology, Kharagpur

Call for papers: Original research papers are invited for presentation in the seminar. Participants are requested to upload abstract in **MS word format** in the Registration link. Last date of submission of abstract is **28th February, 2026**, for contributory talks.

Registration Fee :

Research Scholars : **Rs. 1000/-**
College/University Faculties: **Rs. 1200/-**

Due to the paucity of funds, participants are requested to bear their own travel costs and accommodation charges.

Registration Link:

<https://docs.google.com/forms/d/1fZl6tF-8LXgJui5TR2Yfld5XuG9l49Snumb8yo19tWw/edit>

Registration Deadline:

3rd March, 2026

Convenor

Prof. Debasis Sarkar

Jt. Convener

Prof. Soumen De

Prof. Uttam Ghosh

Asst. Convener

Dr. Nantu Sarkar

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