Registration Fees

Faculty : **Rs. 1000 /-**

Research Scholars : **Rs. 500 /-**

Students : **Rs. 100 /-**

Registration fee is accepted through Account transfer.

A/c Details:

Name : The Principal,
A/c No. 1225101001570
IFSC Code: CNRB0001225
Branch: Canara Bank, Fairlands, Salem

Important Dates :

Last date for abstract submission
10.01.2025

Acceptance Notification
15.01.2025

Last Date for Registration
18.01.2025

Registration Link

https://shorturl.at/LIBZ2

Email for Submission of Abstract
saradaiks25@gmail.com

Address for Communication
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ORGANISING COMMITTEE

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Sri Sarada Educational Institutions, Salem-16

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SRI SARADA COLLEGE FOR WOMEN
(Autonomous)

Reaccredited with 'B++' Grade by NAAC
(Affiliated to Periyar University)
Salem - 636 016.

Two-day National Level Seminar on
Exploring Ancient Indian Mathematics in the Context of Indian Knowledge Systems
NSIKS-2025
(Hybrid Mode)

Dates: 27 & 28 January 2025

Organised by

PG & Research Department of Mathematics

SRI SARADA COLLEGE FOR WOMEN
(Autonomous)
SALEM - 636 016,
TAMIL NADU, INDIA.

ABOUT THE INSTITUTION

Sri Sarada College for Women was started in 1961 as an affiliated college to the University of Madras with two sections of Pre-University course. Later, it has increased in strength to become a First Grade college with 12 undergraduate programmes, 7 post-graduate programmes, 9 M.Phil. programmes, 9 Ph.D. programmes and 2 Self-financing P.G. programmes (M.Sc. Data Science and M.Com.). Autonomous status was conferred by the University Grants Commission in the year 1988-1989 under the able guidance of Yatiswari Saradapriya Amba.

The College offers upto-date career oriented education which is integrated with our ancient culture and tradition. To meet the challenges of the ever-changing modern scenario, the academic needs of the young students are closely analyzed and the curriculum is periodically redesigned in a way to develop the scientific temper and to enkindle the spirit of creativity in the students' minds. In almost all disciplines, priority is given to relate curriculum to the local needs.

ABOUT THE DEPARTMENT

Department of Mathematics is established in 1965, and introduced B.Sc. Mathematics, later becoming a Post-Graduate Department in 1981 and a Research Department in 2005, offering M.Phil. and Ph.D. programmes. It is sponsored by DST - FIST and DBT - STAR, actively pursuing research initiatives to uncover new knowledge and technology in line with current mathematical trends. The consultancy within the department aims to illuminate unexplored areas and create mathematical models to address societal issues.

ABOUT THE SEMINAR

This national seminar brings together mathematics enthusiasts to explore the dynamic relationship between ancient mathematical principles and contemporary research.

OUTCOMES OF THE SEMINAR

- Enhanced understanding of ancient Indian mathematical concepts and contributions.
- Understanding of mathematical modeling and problem-solving techniques used in ancient India.
- Establishment of connections with scholars from diverse disciplines, including: Mathematics, History, Philosophy, Science and Education, etc.
- Opportunities for collaboration and research partnerships.
- Development of teaching materials and resources on ancient Indian mathematics.
- Understanding of the cultural and philosophical context of ancient Indian mathematics.
- Development of strategies for preserving and promoting India's mathematical heritage.

INVITED SPEAKERS

★ **Dr. Thothathri Venugopal,**
Professor of Mathematics,
Dean Research and Innovation,
Registrar Evaluation,
Director Muddenahalli Campus of Sri Sathya Sai University for Human Excellence, Kalaburagi, Karnataka, India.

★ **Prof. M. S. Sriram,**
Prof. K.V. Sarma Research Foundation,
Chennai.

★ **Dr. M.V. Mohan,**
Senior Research Fellow,
Samskrit Promotion Foundation,
Chennai Branch.

★ **Dr. V. Ramakalyani,**
Project Consultant,
History of Mathematics India (HoMI) Project,
Indian Institute of Technology, Gandhinagar.

★ **Dr. Rajeswari Seshadri**
Professor and Dean,
Ramanujan School of Mathematical Sciences,
Pondicherry University, Puducherry.

CALL FOR PAPERS

We warmly encourage Academicians, Research Scholars, Students and Professionals to submit and present their original research papers at the seminar. Authors may opt for the provided topics or explore other areas pertinent to Ancient Indian Mathematics.

- ❖ Ancient Indian Number Theory
- ❖ The Origin of Decimal place value system
- ❖ Indian numeral system being adopted by Western Countries
- ❖ Discovery of Zero and its usages in Calculation
- ❖ Studies on sum of the Pioneer of Ancient Indian Mathematics (Aryabhata, Brahmagupta, Bhaskara I, Bhaskara II,Narayana Pandita, Sridhara, Madhava, Mahaviracharaya)
- ❖ Geometry of Sulba Sutras'
- ❖ Combinatorics mentioned by Ancient Indian Mathematics
- ❖ Astronomical Instruments
- ❖ Ancient Indian Calendar Systems
- ❖ Insights and Discoveries of Ancient Indian Astronomers
- ❖ Ancient Mathematics in Modern Research
- ❖ Geometry in Ancient Indian Art
- ❖ Ancient Indian Cryptography (Bohta Sankhya's system)
- ❖ Philosophy of Ancient Indian Math
- ❖ Global Impact of Ancient Indian Mathematics
- ❖ Practical Applications of Vedic Mathematics
- ❖ Ancient Indian Mathematics and its Cultural Significance
- ❖ Mathematics in Ancient Indian Literature
- ❖ Analysis of Sanskrit Mathematical Texts
- ❖ Historical Development of Indian Mathematics
- ❖ Interdisciplinary Approaches to Ancient Mathematics
- ❖ Studies on Ancient Indian books on Mathematics (Sulba Sutras, Aryabhatiya, BrahmasphutaSiddhanta, Lilavati, Bijaganita, Ganita Sara Sangraha, GanitaKaumudi, Venvaroha, Chandahsastra)

Participants from other discipline can also attend and present their paper relevant to the theme of the seminar.

ABSTRACT SUBMISSION

Abstracts are invited from authors for their original work. Abstract to be submitted in Times New Roman, Font size 12, not exceeding 250 words, with 1.5 line spacing, with not more than 5 keywords with Title in capitals of 14 font size, bold with affiliation of the authors, e-mail ID of corresponding author.

ORAL PRESENTATION

The authors are requested to limit their oral presentation to 5 minutes (3 minutes to present and 2 minutes for discussion).