



## SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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

### A Two-day National Level Seminar on

## Indian Knowledge Systems in Mathematics, Economics, Sanskrit and Library Science. (Hybrid Mode)

Dates: 27 & 28 February 2025



Organised by

PG & Research Departments of Mathematics & Economics  
and  
Departments of Sanskrit & Library

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 DEPARTMENTS

**PG & Research Department of Mathematics** is established in 1965, and introduced B.Sc. Mathematics, later became 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.

**PG & Research Department of Economics** established as an Undergraduate Department in 1961 and upgraded to offer Postgraduate courses in 1971, became a Research Department in 1985 with M.Phil. and Ph.D. programmes (both part-time and full-time). With a sanctioned strength of 10 members, it now boasts a full-fledged faculty with Ph.D. qualification. Staff contributions to research, extension activities, MoUs, and consultancy services strengthen research orientation and address community issues.

**Department of Sanskrit** had its inception in the year 1985. Department of Sanskrit is offering Part - I - language and Advanced Diploma course in Bhagavadgita to the Under Graduate students. The students get enrolled enthusiastically in Sanskrit and introduction to scientific literature is prescribed in their syllabus. Knowledge of Ancient Indian treatises on Mathematics, Astronomy, Architecture, Ayurveda, Music, Archery etc., promotes interest to all the Sanskrit students to learn the language enthusiastically.

**The Library** was established with 807 books in the year 1961. Now the collection has come up to 81,793 books, 42 Journals and Magazines, 1,99,500 e-books under N-List and 6,00,000 through NDLI. The library is automated using Integrated Library Management Software (ILMS). Library automation was started in 2008 and Barcode Technology was introduced in the year 2016. Internet and online facilities are available in the library for the Staff and Research Scholars with INFLIBNET (N-list) and NDLI Access. CCTV Cameras are installed in the library for strict surveillance.

### ABOUT THE SEMINAR

The national seminar explores the timeless relevance of ancient wisdom in shaping modern insights across disciplines. It highlights the integration of Mathematics, Economics, Sanskrit and Library Science to foster innovative ideas. Scholars and enthusiasts will engage in interdisciplinary discussions bridging tradition and modernity. This platform aims to inspire scholars across with fresh perspectives rooted in Indian Knowledge Systems.

### OUTCOMES OF THE SEMINAR

- Gaining deeper insights into India's contributions in Mathematics, Economics, Sanskrit and Library Science.
- Identifying ways to apply ancient knowledge to contemporary research, education and socio-economic development.
- Understanding the cultural and philosophical significance of ancient Indian knowledge and its impact on society.
- Applications of ancient techniques in modern computational and analytical research.
- Applications of traditional socio-economic models to modern economic challenges and sustainable development.
- Development of strategies to digitize and preserve ancient texts using modern library technologies.
- Establishing Sanskrit as a bridge between ancient and modern knowledge across disciplines.

### INVITED SPEAKERS

- ★ **Prof. G.R. Angadi**, Head & Dean, School of Education, Central University of Karnataka, Kalaburagi, Karnataka.
- ★ **Prof. N. Rajendran**, Former Vice-Chancellor, Alagappa University, Karaikudi.
- ★ **Dr. G. Tholkappia Arasu**, CEO - QA - HSLs Aasaan Educare Foundation, T. Nagar, Chennai.
- ★ **Dr. V. Parthasarathy**, Vice President, Arival Sangam, Tamil Nadu.
- ★ **Dr. S. Usha**, Associate Professor, Department of Sanskrit, Seethalakshmi Ramaswami College for Women (A), Trichy.
- ★ **Dr. R. Balasubramani**, Professor, Department of Library & Information Science, Bharathidasan University, Trichy.
- ★ **Dr. S. Balasubramanian**, Principal Incharge, Associate Professor & Head, Department of Mathematics, Government Arts and Science College (Co-Ed), Tharagampatti, Karur.
- ★ **Dr. R. Asokan**, Associate Professor, Department of Economics, Government Arts College (Autonomous), Salem-7

### 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 Indian Knowledge Systems in Mathematics, Economics, Sanskrit and Library Science.

#### I. Mathematics and Indian Knowledge Systems (IKS)

- Contributions of Ancient Indian Mathematicians to Global Mathematics, including Vedic Mathematics and Number Systems
- Geometry and Symmetry in Indian Art, Architecture, Textiles and Urban Planning (Ancient and Modern)
- Role of Mathematics in Indian Astronomy, Astrology and Calendrical Systems
- Mathematical Modeling in Environmental Conservation and Water Management Systems
- Influence of Ancient Indian Mathematical thought on Global Education and Modern Techniques
- Golden Ratio, Fractal Geometry and Mathematical Patterns in Nature, Art and Music

- Comparative Study of Ancient and Modern Mathematical Techniques, including Topology and Group Theory
- Role of Mathematics in Indian Economic Systems, Trade Routes and Historical Network Analysis
- History and Impact of Zero, Probability and Forecasting in Indian and Global Mathematics

## II. Society, Culture and Economics through IKS

- Indian Knowledge Systems in Sustainable Development Practices
- Economic Models in Ancient Indian Texts and their Modern Relevance
- Social Structure and Cultural Dynamics in Ancient India
- Indian Arts, Crafts and their Economic Significance in the Global Market
- Integrating IKS with Modern Educational Policies
- Economic Thought in Ancient Indian Scriptures: Lessons for Modern Policy Making
- Traditional Indian Trade and Commerce Systems: Relevance in Globalization
- Ancient Indian Taxation and Revenue Models: A Comparative Study with Modern Systems
- Sustainable Economic Practices in Ancient India: Lessons for Circular Economies
- Role of Guilds and Local Governance in Economic Development in Ancient India
- Economic Insights from Arthashastra by Chanakya
- Role of Maritime Trade in India's Ancient Economy

## III. Sanskrit and Indian Knowledge Systems (IKS)

- Preservation and Interpretation of Ancient Sanskrit Texts
- Computational Linguistics and Sanskrit Grammar
- Influence of Sanskrit on Modern Indian Languages and Culture
- Knowledge Representation in Vedas, Epics, Puranas and classical Sanskrit literature
- Traditional Educational Methods and their Modern Implications
- Contributions in Sanskrit Language and Literature for Global Knowledge Traditions
- Role of Sanskrit in Preserving and Propagating Ancient Indian Sciences

## IV. Library Science and Indian Knowledge Systems (IKS)

- Preservation of Manuscripts and Ancient Texts in Indian Libraries
- Digital Archiving of Ancient Indian Wisdom
- Indigenous Knowledge in Library Management Systems
- Vedic Cataloging and Classification Techniques
- Role of Libraries in Disseminating IKS
- Knowledge Dissemination through Traditional Storytelling and Libraries
- Libraries as Centers for Promoting Sanskrit Literature
- Open Access Platforms for IKS Research Publications
- Ancient Indian Knowledge Transfer Models and Modern Libraries
- Traditional vs. Modern Knowledge Management Practices
- Role of Librarians in Promoting Indian Knowledge Systems Globally

## ORGANISING COMMITTEE

### CHIEF PATRONS

**YATISWARI VINAYAKPRIYA AMBA,**

Directress, Sri Sarada Educational Institutions, Salem-16

**YATISWARI GUHAPRIYA AMBA,**

Secretary, Sri Sarada College for Women (Autonomous), Salem-16

### PATRON

**Dr. R. UMA RANI,**

Principal, Sri Sarada College for Women (Autonomous), Salem-16

### CO-PATRONS

**Dr. M. Sudha, Associate Professor & HoD of Mathematics**

**Dr. K. Pushpavalli, Associate Professor & HoD of Economics**

### CONVENER

**Dr. D. Amsaveni, Associate Professor of Mathematics**

### ORGANISING SECRETARIES

**Dr. B. Amudhambigai, Associate Professor of Mathematics**

**Dr. K. Poongodi, Librarian**

**Dr. Latha Sreedhar, Assistant Professor of Sanskrit**

**Dr. T. Linga Murugeswari, Assistant Professor of Economics**

### ORGANISING COMMITTEE

#### PG & Research Department of Mathematics

**Dr. L. Madhuchelvi, Associate Professor**

**Dr. R. Anbuviya, Assistant Professor**

**Dr. V. Vijaya Bharathi, Assistant Professor**

**Dr. J. Tamilmani, Assistant Professor**

**Dr. P. Saranya, Assistant Professor**

**Dr. M. Deepa, Assistant Professor**

#### PG & Research Department of Economics

**Dr. P. Subasree, Associate Professor**

**Dr. T. Sasikala, Associate Professor**

**Dr. J. Sathya, Associate Professor**

**Dr. R. Thirupathi, Associate Professor**

**Dr. S. Uma Devi, Associate Professor**

**Dr. P. Kanakarani, Assistant Professor**

**Dr. M. Radhika, Assistant Professor**

**Dr. N. Nagalakshmi, Assistant Professor**

## ABSTRACT SUBMISSION

Authors are invited to submit abstracts of their original work. The abstract should be typed in Times New Roman, font size 12, with a maximum of 250 words and formatted with 1.5 line spacing. Titles should be in capital letters, bold and in font size 14. Include the author's affiliations and the corresponding author's email address. The full paper shall be 5 to 6 pages and mailed on or before 15.02.2025. Selected papers will be published in seminar volume with ISBN number.

## ORAL PRESENTATION

The authors are kindly asked to keep their oral presentation within 5 minutes, with 3 minutes for the presentation and 2 minutes allocated for discussion.

### Registration Fees

Participant Type	Online	Offline
Faculty	Rs. 500/-	Rs. 1000/-
Research Scholars	Rs. 250/-	Rs. 500/-
Students	Rs. 100/-	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 : 10.02.2025

Full Paper Submission : 15.02.2025

Last Date for Registration : 20.02.2025

### Registration Link

<https://shorturl.at/hyWO5>

Email for Submission of Abstract

[saradasm25@gmail.com](mailto:saradasm25@gmail.com)

### For further Communication - Contact:

**Dr. D. Amsaveni, Convener**

**PG & Research Department of Mathematics**

**Sri Sarada College for Women (Autonomous), Salem-16.**

**Email id: saradasm25@gmail.com**

**Mobile : 98436 26323**