

THE KUPPUSWAMI SASTRI RESEARCH INSTITUTE

75th ANNIVERSARY CELEBRATIONS



WORKSHOP
ON
ANCIENT INDIAN
MATHEMATICS AND ASTRONOMY

26th & 27th July, 2024

VENUE

Sri Chandrasekharendra Saraswati Mandapam
The Madras Sanskrit College Premises

84, Thiru Vi. Ka. Road, Mylapore, Chennai - 600 004.

Ph: 044-24985320 / 044-29505320,

E-mail: ksrinst@gmail.com; Website: www.ksri.in ; www.ksri.co.in

यथा शिखा मयूराणां नागानां मणयो यथा ।
तथा वेदाङ्गशास्त्राणां गणितं मूर्धनि स्थितम् ॥

'Like the crest of the peacocks, the gems on the hoods of the
cobras, mathematics is at the top of the Vedāᅅga śāstras'

(Vedāᅅga Jyotiᅅa v. 4)

Friday, 26th July, 2024

INAUGURATION – 10.00 a.m. – 11.00 a.m.

Dr. M. D. SRINIVAS

(Chairman, Centre for Policy studies, Chennai)

delivers the

INAUGURAL ADDRESS

under

Smt. RAJAM RAMASWAMI ENDOWMENT

Friday 26th July, 2024

SESSION I – 11.00 a.m. – 1.00 p.m.

Justice N. RAJAGOPALA AYYANGAR ENDOWMENT

Dr. V. RAMAKALYANI

(Research Consultant, HoMI
Project, IIT, Gandhinagar)

**Introduction to Arithmetic and
Trigonometry in Ancient Indian
Mathematics**

Dr. SITA SUNDAR RAM

(Secretary, The KSRI)

**Kuṭṭaka - Indeterminate
equations of degree one**

LUNCH BREAK – 1.00 p.m. – 2.00 p.m.

SESSION II – 2.00 p.m. – 4.00 p.m.

Prof. R. SANKARI ENDOWMENT

Dr. SITA SUNDAR RAM

**Algebra -Vargaprakṛti-
Indeterminate equations of
degree two**

Dr. V. RAMAKALYANI

**Geometry in Ancient Indian
Mathematics**

Saturday 27th July, 2024

SESSION III – 10.00 a.m. – 1.00 p.m.

**NAVALPAKKAM MIMISAL NARASIMHA PATRACHARIAR
ENDOWMENT**

Dr. C. R. ANANTHARAMAN
(Former Prof. of Sanskrit
Vivekananda College,
Tiruvudagam)

**Calculation in Structural
Astrology**

Dr. N. R. DAVE
(Chartered Civil Engineer,
Chennai)

**Mathematical Calculations in
Vāstu Śāstra**

Ms. G. RAJARAJESWARI
(Project Staff, Centre for IKS,
IIT, Madras)

**An Introduction to Indian
Astronomy**

LUNCH BREAK – 1.00 p.m. – 2.00 p.m.

SESSION IV – 2.00 p.m. – 3.00 p.m.

Sri D. RAMAKRISHNA IYER MEMORIAL ENDOWMENT

Dr. K. PRASANTH
(Former Head, Dept. of Sanskrit
R.K.M. Vivekananda College,
Chennai)

**Introduction to Vedic
Mathematics**

Saturday 27th July, 2024

VALEDICTORY FUNCTION – 3.15 p.m. – 4.15 p.m.

Dr. M. S. SRIRAM

(President, K. V. Sarma Research Foundation, Chennai)

delivers the

VALEDICTORY ADDRESS

under

Sri B. MADHAVAN MEMORIAL ENDOWMENT

WORKSHOP ON ANCIENT INDIAN MATHEMATICS AND ASTRONOMY

Indian mathematics originated even before 800 B.C. when fire-altars were constructed. It was required to construct altars in the shapes of triangle, quadrilateral, circle etc., but with equal area. This led to various constructions, calculations and framing equations. The contribution of India to mathematics has been recognised by scholars all over the world.

The Kuppuswami Sastri Research Institute has also published books on Ancient Indian Mathematics and Astronomy. Some of them are :

1. *Sadratnamālā of Śaṅkara Varman* (Text on Indian Astronomy and Mathematics) ed. with English Tr. by Dr. S. Madhavan
2. *Bijapallava of Kṛṣṇa Daivajña: Algebra in Sixteenth Century India* – by Dr. Sita Sundar Ram
3. *Glimpses of Mathematics in Ancient India* – by Dr. V. Ramakalyani
4. *History of Ancient Indian Algebra* – by Dr. Sita Sundar Ram

In connection with the 75th anniversary celebrations, a two day **Seminar on Arts and Architecture** was organized on 21st and 22nd August 2023. Another two day **National Seminar** was organized on 24th & 25th November 2023 on **Bhakti Literature in Sanskrit and Tamil**. A **Workshop on Sanskrit Literature** was organised on 28th and 29th June, 2024. Presently the **Workshop on Ancient Indian Mathematics and Astronomy** is being organised on 26th and 27th July 2024.

We invite the teaching faculty of the Maths Department from Schools and Colleges to participate in this workshop. Undergraduate and Post graduate students of the department of Mathematics are also welcome to participate in the same. Participation Certificates will also be given.

PLEASE NOTE:

The last date for Registration is 22nd July 2024.

To participate, please register by scanning the QR code or in the following link: <https://forms.gle/JaP7ZGWkdx2qEo5u7>

There is no Registration fee.

T.A./D.A. and accommodation facilities will not be provided.

Tea, snacks and Lunch will be provided to all.



THE KUPPUSWAMI SASTRI RESEARCH INSTITUTE

(Regd. S. No. 32/1944-45 dt. 24.2.1945)

The Kuppuswami Sastri Research Institute was founded in Chennai in 1945 as a tribute to Prof. S.Kuppuswami Sastri, a great scholar and the first principal of The Madras Sanskrit College to conduct world-class research in Sanskrit and Indological studies.

Dr. S. Radhakrishnan, former President of India served as the President of KSRI for more than two decades. Several eminent personalities such as Rt. Honourable V. S. Srinivasa Sastri, Sir C. P. Ramaswamy Iyer, Padma Bhushan K. Balasubrahmanya Iyer and Dr. A. Lakshmanaswamy Mudaliar were actively associated with KSRI. Padma Bhushan Dr.V.Raghavan, a great scholar was the founder-secretary and mainstay of the Institute till his demise.

The Institute possesses a unique library of more than 60,000 rare books in many Indian and foreign languages and also 1300 ancient palm-leaf manuscripts which have also been digitised.

KSRI is a research hub in Chennai. From 1983, the Institute is affiliated to the University of Madras for M.Phil and Ph.D. in Sanskrit and more than 70 candidates have been awarded the degrees. Besides, many foreign scholars from all over the world have conducted research here for their Ph.D. and post-doctoral projects.

Marking the 75th year celebrations, 14 books on various topics were released during the inauguration. Twenty more books are proposed to be brought out during this year.

We solicit your continued support for the successful functioning of our Institute in the years to come. Donation to the Institute is 100% exempt from Income Tax under Sec. 35 (i)(iii) of the Income tax Act 1961.

For more details, contact :

The Secretary / Director

The Kuppuswami Sastri Research Institute

84, Thiru Vi Ka Road, Mylapore,

Chennai 600 004. Ph. : 044-24985320; 044-29505320

E-mail : ksrinst@gmail.com

www.ksri.in ; www.ksri.co.in