

On

Capacity Building in Indian Knowledge Systems: Documentation, Validation and Communication

Organised by

CSIR-National Institute of Science Communication and Policy Research, New Delhi

In collaboration with

Department of Physics

Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai



04 March 2025



Gyan Darshan Auditorium, DDGD Vaishnav College

Indian Knowledge System (IKS) embodies a vast reservoir of valuable and diverse knowledge that has evolved over several millennia in Indian subcontinent. IKS encompass a vast range of disciplines, such as mathematics, medicine, philosophy, architecture, agriculture, environmental and natural sciences, all of which are deeply connected with the India's socio-cultural fabric. In an increasingly globalised, technology-driven and rapidly changing world, it is not only imperative to establish synergy between ancient Indian wisdom and modern scientific enquiry, but also to recognise, understand, and communicate India's scientific heritage to children, youth and general public. CSIR-NIScPR invites you to a comprehensive and interactive workshop on IKS for higher education faculties, teachers, academic professionals, scientists and science communicators. This workshop aims to:

- (i) **Deepen your understanding of IKS**, not only from the historical or academic perspective but also in terms of its relevance and application in modern contexts.
- (ii) **Equip you with effective communication strategies**, which can help in disseminating the intellectually rigorous knowledge in a meaningful and engaging manner, both in classrooms and within the broader scientific community, as well as to general public.

Highlights: -

- (iii) Introduction about IKS and SVASTIK (a national initiative by CSIR-NIScPR)
- (iv) Indian Mathematics and Astronomy– from Ancient to Modern Times
- (v) Understanding Traditional Health Systems (Siddha) and its integration with Modern Scientific Research
- (vi) Indigenous Knowledge Systems in Agriculture and its Relevance
- (vii) Science Communication in IKS – A Case Study of SVASTIK (Popular science writing, social media communications, creation of infographic and short videos)

This workshop will include thought provoking plenary talks and hands-on-training in IKS and traditional knowledge communication. Certificates will be provided to participants upon successful completion of the workshop.

We are excited for your active participation and look forward to a fruitful session of learning and sharing

To ensure a seamless learning experience, participants may bring a laptop.

Lunch and refreshments will be given.

There is no registration fee for the workshop / No TA DA, accommodation will be provided to the participants

Patrons

Prof Ranjana Aggarwal,

Director, CSIR-NIScPR

Dr S Santhosh Baboo, Principal,

DDGD Vaishnav College, Chennai

Organising Secretaries

Dr Charu Lata, Pri. Scientist, CSIR-NIScPR, New Delhi

Dr Uthra Dorairajan, Head, Dept. of Physics, DDGD Vaishnav College, Chennai

Co-organising Secretaries

Dr Paramananda Barman, Sr. Scientist, CSIR-NIScPR, New Delhi

Dr V Renganayaki, Associate Prof, Dept. of Physics, DDGD Vaishnav College, Chennai

CSIR-NIScPR & SVASTIK

CSIR-National Institute of Science Communication and Policy Research (CSIR-NIScPR), a newly formed institution of CSIR after merger of CSIR-NISCAIR and CSIR-NISTADS in the year 2021, has a glorious legacy of 70 years in science communication, and promotion of science, technology & innovation policy studies. The Institute presently brings out 15 research journals and 03 popular science magazines. CSIR-NIScPR has been actively involved in the conservation and promotion of traditional knowledge through its various activities such as the publication of 'Indian Journal of Traditional Knowledge', and its acclaimed projects including 'Wealth of India', a monumental documentation of India's flora, fauna and minerals, 'Traditional Knowledge Digital Library' (now a separate unit at CSIR headquarters), a unique initiative to protect India's TK at patent offices worldwide, and 'SVASTIK' (Scientifically Validated Societal Traditional Knowledge). SVASTIK was launched as a nationwide initiative in 2021 upon the clarion call of our Hon'ble Prime Minister and President CSIR, Shri Narendra Modi to communicate scientifically validated traditional knowledge to the society with the brand name @NIScPR_SVASTIK which aims to preserve and perpetuate our inherited scientific knowledge and practice, instil scientific temperament, and boost public faith in Indian traditional knowledge.

DDGD Vaishnav College

Dwaraka Doss Goverdhan Doss Vaishnav College is a linguistic minority institution established in the year 1964 for the cause of higher education and is celebrating its diamond Jubilee. Our College imparts value based quality academia to empower the students with wisdom, broaden their vision towards nation building and to instill rich Indian traditions and culture. The Department of Physics established in 1964 is actively engaged in continuous capability building programmes through faculty training, mentoring and hands-on workshops.



Registration: Participants should register on the workshop on IKS
bit.ly/CBTK_SVASTIK



Eligibility: Undergraduate and Post-Graduate faculties/scientists/researchers from higher education institutions, Central/State Affiliated Colleges, and Private Colleges are eligible.

Programme Schedule		
Time	Activity	
9:00 AM – 09:30 AM	Registration & SVASTIK Exhibition	
Inaugural Session		
09:30 AM – 09:35 AM	College Prayer & Lamp Lighting	
09:35 AM – 09:40 AM	Introduction	Dr Uthra Dorairajan Associate Professor, DDGD Vaishnav College, Chennai
09:40 AM – 09:45 AM	Welcome Address	Dr S Santhosh Baboo Principal, DDGD Vaishnav College, Chennai
09:45 AM – 09:55 AM	Opening Remarks	Prof Ranjana Aggarwal Director, CSIR-NIScPR, New Delhi
09:55 AM – 10:40 AM	Keynote Address	Prof M D Srinivas Chairman, Centre for Policy Studies, Mylapore, Chennai <i>Introduction to the Corpus of Indian Knowledge and its Documentation</i>
10:40 AM – 10:43 AM	Vote of Thanks	Dr V Renganayaki Associate Professor, DDGD Vaishnav College, Chennai
10:43 AM – 10:45 AM	National Anthem	
10:45 AM – 11:00 AM	High Tea	
SESSION-I India’s Science & Technology Heritage		
11:00 AM – 11:15 AM	Chairperson	Prof M S Sriram President, Prof K V Sarma Research Foundation, Chennai
11:15 AM – 11:45 AM	Plenary Talk 1	Dr Charu Lata Principal Scientist, CSIR-NIScPR, New Delhi <i>Communication and Dissemination of Indian Traditional Knowledge: An Insight</i>
11:45 AM – 12:30 PM	Plenary Talk 2	Dr K Vijayalakshmi Research Director, Centre for Indian Knowledge Systems, Chennai <i>Building on Traditional Knowledge and Resources for Sustainable Agriculture</i>
12:30 AM – 01:15 PM	Plenary Talk 3	Dr V Aarthi Research officer (Siddha), Central Council for Research in Siddha, Chennai <i>Revitalizing Siddha Medicine and bridging with Modern Healthcare : A Comprehensive Approach for Documentation, Validation, and Communication</i>
01:15 PM – 01:30 PM	Discussion & Closing Remarks	
01:30 PM – 02:30 PM	Lunch	
SESSION-II Hands-on-Training on IKS Communication		
02.30 PM – 04.00 PM	Resource Person	Dr Paramananda Barman Senior Scientist, CSIR-NIScPR, New Delhi
	Hands on Training	Team SVASTIK
04:00 PM – 04:30 PM	Feedback from the Participants	
04:30 PM – 05:00 PM	Tea & Departure	

Contact Us

✉ svastik@niscpr.res.in