



SYMPOSIUM

on

Understanding IKS: Bridging Traditional Indian Wisdom with Modern Scientific Interventions

Organized by

Ramanujan Centre for Indian Knowledge Systems (IKS) and Indian Mathematics

Himachal Pradesh University, Summerhill, Shimla- 171005

On 9th December, 2025

Being organized in collaboration with
Department of Mathematics and Statistics
(Funded by PM-USHA MERU)



About the Centre

The Ramanujan Centre for Indian Mathematics was established in the Department of Mathematics & Statistics in the year 2021. The centre primarily aims to generate awareness among the younger generations about contributions of Great Indian Mathematicians in the field of Mathematics. Further, in view of the National Education Policy (NEP) 2020, which lays a strong emphasis on the promotion and integration of Indian Knowledge Systems (IKS) in higher education, the centre has been renamed as "*Ramanujan Centre for Indian Knowledge Systems (IKS) and Indian Mathematics*" in order to expand its scope. Keeping in view these aims, the Centre is currently offering two programmes:

- ❖ Certificate course in Vedic Mathematics
- ❖ Post Graduate Diploma in Ancient Indian Mathematics.

These courses provide the students opportunity to understand the values of Vedic-mathematics and acknowledge the contributions of Indian mathematicians in the field of Mathematics. The students gain knowledge about the Vedic- Sutras for long calculations. The Centre aims to organize various activities like Symposiums, Seminars, Conferences, Workshops etc. to revitalize the traditional Indian heritage & wisdom in various fields such as Astronomy, Astrology, Geometry, Algebra, Arithmetic, Agriculture, Ayurveda, Basic Sciences, Management, Economics etc. by eminent Indian researchers. The centre aims to document various experiences of the experts who in real sense are the torch bearers of indigenous knowledge at grass root level and try to connect the dots with modern technological innovations. In continuation to these efforts, this symposium is being proposed, hereby aligned with the objectives of the centre.

Prof. Joginder Singh Dhiman
Director

Ramanujan Centre for Indian Knowledge Systems (IKS) and Indian Mathematics
Himachal Pradesh University, Shimla-5

About Symposium

The Indian Knowledge Systems reflect a civilization that viewed knowledge not just as information, but as a path to harmony between the individual, society and the universe. Indian Knowledge Systems teach us that learning is not confined to books, it flows through music, architecture, medicine, astronomy and ethics. In Ayurveda we find the science of life, in Yoga, the art of balance, in *Arthashastra*, the wisdom of governance and in *Vastu*, the geometry of harmony. The cuisines of traditional India are known worldwide, evolved from local ecology, climate and crops. Indian art and culture always viewed science, art and spirituality as a single entity. From food as medicine to the astronomical calculations of Aryabhata and Brahmagupta, Indian thinkers have shaped the foundations of Indian mathematics from different perspectives. Indian Mathematics, one of its finest expressions, gave the world the concept of zero and laid the foundation for modern computation.

When modern science meets ancient Indian wisdom, innovation becomes meaningful and progress becomes sustainable. Technology assists in blending the experience and innovation. Keeping in view such ideas, this symposium proposes to rediscover how ancient Indian thought can inspire innovation in the modern world through technological advancements. Indian Knowledge Systems embody the spirit of holistic learning that has defined India's intellectual heritage for millennia. IKS seamlessly connects science, philosophy, technology and human values. In today's era of technology and AI, revisiting these ancient ideas provide a meaningful bridge between tradition knowledge, innovation and technology. This symposium explores how the essence of IKS can inspire new perspectives in various disciplines for an innovative and a sustainable future.

About the University

Himachal Pradesh University was established by an Act of the Legislative Assembly of Himachal Pradesh on **22nd July, 1970**. It is a multi-faculty residential and affiliating university in the state that provides higher education to urban, rural and tribal areas through formal and distant modes. The headquarters of the University is located at Summer Hill, the picturesque suburb of Shimla. The prime objective of the University is to disseminate knowledge, advance learning and understanding through research, training and extension programmes. It instils in its students and teachers a conscious awareness regarding the social and economic needs, cultural ethos and future requirements of the state and the country. It carries ethos of traditional and indigenous knowledge through its students who are not only coming from remote areas but also tribal districts of the state. It stands for blended indigenous knowledge, learning, progress, humanity, tolerance, intellect, morality, thought and discernment. It is the first university to offer Post graduation through distance mode and also offers learning in multiple disciplines of science & technology, humanities, languages, commerce & management, and various vocational courses. It is actively involved in emerging novel disciplines like IKS, disaster management, nanotechnology and many more in its lap. The University is in consonance with the PM-USHA vision and the IKS framework. In continuity to that, this symposium carries forward the objectives established under MERU component of PM-USHA scheme of MoE, GOI.



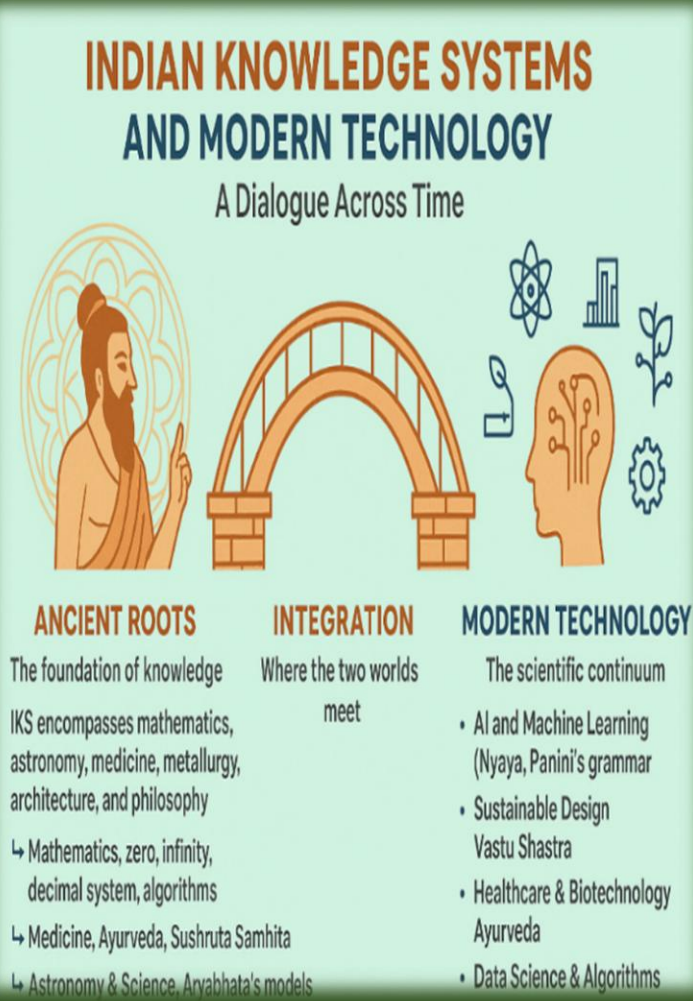
Sub-themes

- Ancient Indian Mathematics: From Zero to Infinity
- Vedic Mathematics for Speed Calculations
- Sacred Geometry in Indian Architecture & Engineering
- Eco–friendly Metallurgical Practices: Evidence-Based Studies
- IKS & Artificial Intelligence: Building Indigenous Knowledge Models
- Revival & Digitalization of Indigenous Knowledge System in the 21st Century
- Sacred Groves and Biodiversity: Lessons for Modern Environmental Policy & Disaster Management
- The Transformative Science of Indian Alchemy: Exploring its Medical and Metallurgical Dimensions in Indian Knowledge Systems
- Yoga, Mindfulness & Meditation in Indian Traditions: Applications in Mental Health Therapy
- Stress and Burnout Management through Ayurveda Approaches
- Sanskrit as the Language of *Sanskriti*: from Vedas to *Srimad Bhagavad Gita*
- Integration of *Gurukul Parampara* vis-a-vis NEP 2020
- Ethics of *Dharma* in *Arthashastra* & its Relevance in Corporate Governance Today
- Trade Practices & Exchange: from Barter to Crypto
- Integrating Indian Knowledge Systems into Modern Management Education
- Music and Spirituality: *Nada Brahma* – The Sound as Cosmic Principle
- IKS Inspired Innovation in Modern Art & paintings
- Expressions of Indian Knowledge Systems through Sculptures, numismatics, Dance and Ornamentation
- *Bhartiya Nyaya Parampara*: Different Dimensions & perspectives
- Evolution and progression in Human Rights from ancient to modern
- Political Thinkers’ contribution in preserving IKS



Tentative list of Eminent Speakers

- ❖ **Prof. Abhiraj Rajendra Mishra**
Former Vice Chancellor,
Sampurnanand Sanskrit Vishwavidyalaya
- ❖ **Dr. Prem Sharma**
Former Director, Language, Art & Culture
- ❖ **Dr. Gopal Sharma**
OSD to Chief Minister
- ❖ **Prof. Jyoti Prakash**
Former Pro VC, HP University, Shimla
- ❖ **Dr. Anurita Saxena**
Principal, RKMV, Shimla
- ❖ **Dr. Mast Ram**
Former Principal, Sanskrit College Shimla
- ❖ **Dr. Om Prakash Sharma**
Fellow, IAS, Shimla
- ❖ **Sh. Gian Sagar Negi, HPAS**
Registrar, HP University, Shimla
- ❖ **Swami Akshay Chaitanya Ji**
Dandi Ashram, Uttarkashi
- ❖ **Dr. Satya Prakash Pathak**
Department of Yoga Studies, HPU, Shimla



Registration Procedure

Participation is open to all the Faculty Members, Teachers, Researchers, Scholars, Industrialists, Academicians. e-Certificates of Participation will be given to all the registered members. **There are no charges for registration.** The following link can be used for registration:

<https://forms.gle/9SiR4t8wjX9p17Yr6>

Schedule

(Venue: VC Committee Room, HPU)

Inaugural Session 10.30 AM to 11.00 AM	Chief Guest Prof. Mahavir Singh Hon'ble VC HPU
Session I 11.00 AM to 12.30 PM	भारतीय संस्कृति एवं ज्ञान प्रणाली : परिचय तथा प्रासंगिता Key Note Speaker: Prof. Abhiraj Rajendra Mishra Resource Persons: Dr. Prem Sharma Dr. Gopal Sharma
Session II 12.30 PM to 1.30 PM	भारतीय ज्ञान प्रणाली: ऐतिहासिक दृष्टिकोण Resource Persons: Prof. B. K. Shivram Dr. Anurita Saxena Dr. Om Prakash Sharma
Lunch 1.30 PM to 2.30 PM	
Session III 02.30 PM to 3.30 PM	समग्र स्वास्थ्य: भारतीय जीवनशैली और आईकेएस का योगदान Resource Persons: Dr. Satya Prakash Pathak Dr. Mast Ram
Session IV 03.30 PM to 4.30 PM	दर्शन और अध्यात्मिकता: भारतीय दृष्टिकोण Resource Persons: Swami Akshay Chaitanya Ji Prof. Jyoti Prakash Shri Gian Sagar Negi
04.30 PM to 5.00 PM	Valedictory Session

Chief Guest

Prof. Mahavir Singh

Hon'ble Vice Chancellor
Himachal Pradesh University

Special Guest

Prof. Rajinder Verma

Hon'ble Pro Vice Chancellor
Himachal Pradesh University

Convener

Prof. Joginder Singh Dhiman

Director, Ramanujan Centre for IKS & Indian Mathematics
Himachal Pradesh University

Contact Persons

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Dr. Manish Kumar Sharma
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**Ramanujan Centre for IKS
& Indian Mathematics**